January
1988

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The Magic
of Letters
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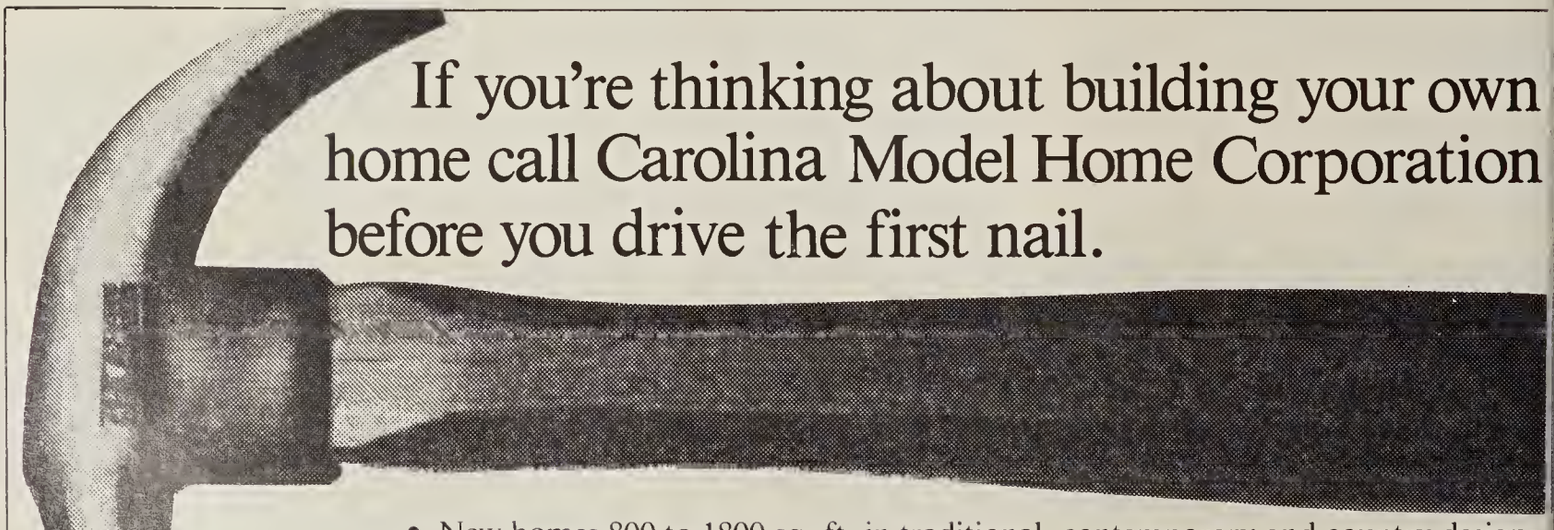

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A Call For North Carolinians To Become A "More Productive and Caring People"

The following is excerpted from a column by William D. Snider, retired editor of the Greensboro News & Record. *It first appeared in the* News & Record.

The subject of illiteracy and poverty in North Carolina doesn't easily excite the imagination of well-heeled folks busy with their own busyness. That requires someone like President Emeritus William C. Friday of the University of North Carolina—someone whose credibility and dedication, not to mention his gentle persuasiveness—can grab an audience's attention.

That is what this talented educator did as he spoke to the North Carolina Public School Forum in Raleigh in December.

Since his retirement, Friday has focused his full energies on studying North Carolina's major problems in the 21st century. It began with service on Gov. Hunt's 2000 Commission. It continues with his membership on Gov. Martin's State Literacy Commission. It promises to be even more productive in Friday's tenure as president of the Kenan Foundation, recently moved from New York City to Chapel Hill.

This kind and caring man was shocked when he learned the dimensions of the poverty problem. They surfaced in statistics like these:

- One million people, or one-sixth of the state's population, live on incomes below the poverty level ($10,000 a year or less).
- An estimated 850,000 people in this state can't read or write.
- Some 28,000 children drop out of school every year without getting beyond the 9th grade.
- North Carolina's infant mortality rate is exceedingly high, its housing inadequate and the number of its people living on the land has dropped from 500,000 in 1967 to 200,000 in 1987.

Friday doesn't concentrate exclusively on such harsh statistics. He points to the fact that thousands of new jobs have been created by such developments as the Research Triangle and the mushrooming industrialization of the Piedmont....

But he notes, too, that the 2000 Commission predicts that 70 percent of the new jobs created during the next decades will be in small industries. All of which demands extensive education and re-training of people migrating from declining farms.

What Friday urges is that we rouse ourselves to plan for a future already on our doorstep....

What Friday hopes to do is get similar programs working in North Carolina. He wants to help more of our citizens experience rewards of learning. Starting with his own management of the Kenan Foundation, he aims at keeping more students in school longer, helping them study under better trained teachers and learning more of the thinking and vocation skills that create productive lives.

Friday believes these people need spokesmen in North Carolina's halls of power. He has become their advocate. He knows that providing the right climate for business development is all-important....

Working with the governor's literacy commission, Friday wants to motivate people to develop basic skills.

There are 1,600 places where reading and writing are being taught, but of the state's 50 literacy councils, only four have regular staff people.

What is the state's greatest need? In Friday's opinion, it's to create more opportunities for learning—because education drives the engine of economic development. Teaching must again become as respected as it was 40 or 50 years ago.

What Bill Friday is doing is challenging us to become a more productive and caring people. He wants to inspire a new generation of leaders (similar to the one, I might add, out of which he himself sprang). To do so, the planning and hard work must start now.

This message could be heralded now? It is designed to unite North Carolinians across party and partisan and class lines. It is leadership at its best. ■

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A Letter From The Editor

Dear Readers,

We hope you like the new design format we've introduced for *Carolina Country* with this issue.

It's by far the most thorough redesign the magazine has undergone since 1968, when the publication's name was changed from its original title, *The Carolina Farmer*. That's the last time the title logotype and cover treatment were significantly altered.

The new format has been in development for about a year, as the magazine's staff and professional designers struggled with various format ideas before finally settling on a concept that we all felt comfortable with.

The format expands the image area of the page slightly to permit the use of five columns of type but also gives us the flexibility to use wider columns in varied configurations, as needed.

Our logo will appear in a fixed position at the top of the cover, allowing us to devote the remainder of the page to a photograph or art work that's uninterrupted by any design elements. Blurbs referring to articles inside will appear at the top, to the right of the logo.

Text in the magazine will be set in a patented Garamond Book typeface, which will also be used for most headlines. However, other typefaces will be used on occasion for heads.

The transition to the new design was coordinated by Julia Zeigler, who has been overseeing preparation of the magazine's pages since 1981. The professional designers who were involved were Tom Ketring and Pat Short of Dancing Bear Graphics, a Raleigh design consulting firm.

We've been through this process in order to give the magazine a fresher, more inviting appearance that we hope will enhance its readability for all our readers.

Let us know if you have any suggestions for other improvements we might make.

Best regards,

Owen Bishop

Cover: Painting By Henderson County Artist

"Skating Party II" is the title of our cover illustration this month. It's an original painting by Judy Cheney of Rt. 1, Horse Shoe.

Another painting by the Henderson County artist appeared on our cover in December, 1985.

Mrs. Cheney, who is a former newspaper reporter, columnist and illustrator, now paints full time. Recent works include caricature prints of the cities of Asheville and Hendersonville and she is working on a similar treatment of Brevard. Her winter theme paintings are also featured on Christmas cards.

A painting Mrs. Cheney did of the family cat is one of the current UNICEF card designs that are distributed around the world.

For information about the Christmas cards and prints, write to Mrs. Cheney at Rt. 1, Box 127, Horse Shoe, NC 28742.

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'Nickels' Approved By Nine-to-One Margin

A final tally shows North Carolina farmers voted 91 percent in favor of Nickels for Know-How Program in a November statewide referendum.

The official county-by-county vote totals show 10,770 ballots were cast, according to Dr. Glenn Chappell, executive director of the N.C. Agricultural Foundation. Of these, 9,783 votes were for continuing the "nickels" program for another six years. Eight hundred ninety-one "no" votes were counted, while 96 ballots were illegible.

Under the "nickels" program, farmers assess themselves two nickels on each ton of feed and fertilizer they purchase. The money, about $450,000 annually, is used to support agricultural research and education at North Carolina State University. The money is collected by the N.C. Department of Agriculture and given to the Agricultural Foundation, which determines its use.

Authorized by the 1951 General Assembly, farmers are given an opportunity every six years to decide if they want to continue the "nickels" program.

Four Directors Re-elected At Tideland EMC

Four incumbents were re-elected to the Board of Directors of Tideland Electric Membership Corporation, Pantego, at the co-op's recent Annual Meeting in Pantego.

Re-elected were: Jimmy Burbage of Rt. 1, Bath; W.B. Smithwick of Rt. 1, Blounts Creek; J.M. Woolard of Rt. 6, Washington and Earl Sadler of Lowland.

Johnston County Agent Receives National Award

Dorothy Johnson, Johnston County Extension Home Economics Agent, has received the 1987 Florence Hall Award from the National Association of Extension Home Economists.

The coveted award, which includes a $300 check, is presented to six extension home economists in recognition of outstanding programs. Johnson was honored for her foods and nutrition program, which focused on major health issues. Thanks to her efforts, county diabetes and heart associations have been established.

Johnson began her extension career in Warren County and transferred to Johnston County in 1967.

Battle of Moores Creek To Celebrate 112th Anniversary

The authentic look of the Revolutionary War will be featured Feb. 26-27 at the 112th Anniversary of the Battle of Moores Creek in Currie.

The public can view the 1776 look of the Moores Creek National Battlefield from 10 a.m. to 4 p.m. both days. A formal program on the battle will take place at the park's grounds at Patriot's Hall on Feb. 28.

For more information, call (919) 283-5591 or write to the Moores Creek National Battlefield, P.O. Box 69, Currie, NC 28435.

EMC Employees Credit Union Names Manager

Benjamin W. Hill III, an experienced administrator of credit unions across the state, has been named general manager of a credit union serving employees of North Carolina's cooperatives.

Hill will oversee the staff and day-to-day operations of the EMC (Electric Membership Corporation) Employees Credit Union, which has over $8.8 million in assets and 3,600 members from electric and telephone cooperatives in North Carolina, Virginia, Maryland and Delaware.

A former employee of the State Employees Credit Union in Raleigh, Hill most recently was general manager of the Winston-Salem City Employees Credit Union.

Hill received his undergraduate degree in business administration from the University of North Carolina at Chapel Hill and his master's in business administration from Duke University. He is a member of the Credit Union Executives Society and a committee member with the N.C. Credit Union League.

Hill is married to the former Martha Geouge of Marion. They have one daughter.

Belk Building To Host Waxhaw Antique Show

The historic Belk Building will be alive with antique dealers from North Carolina and Virginia as the Waxhaw Woman's Club holds its annual Antique Show, Feb. 26-28.

The show, which will also take place at local shops along Main Street in Waxhaw, will feature a variety of antiques.

The Belk Building, which operated from 1902-1934, has been the annual host to the Antique Show. One of the first Belk Stores in the country, it has been declared an historic site in Union County.

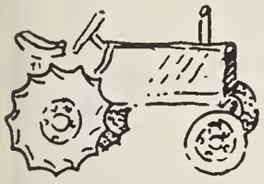
The show will run from 10 a.m. to 6 p.m. the first two days and from 12:30 p.m. to 5

HERE, THERE & EVERYWHERE

p.m. the final day. Admission is $2.

A buffet lunch will be served the first two days from 11 a.m. to 2 p.m. at the Waxhaw Methodist Church. The price is $5. The final day, a Tea Room will be operated at the Waxhaw Volunteer Fire Department.

For more information on the Antique Show, call Vivian Riegelman at (704) 843-4033, or write Antique Show, P.O. Box 457, Waxhaw, NC 28173.



Southern Farm Show Scheduled For Feb. 3-5

The latest farm machinery, equipment, supplies and services will be featured at the Southern Farm Show, Feb. 3-5, in Raleigh.

The show, the largest annual agricultural exhibition in North Carolina and Virginia, will take place at the N.C. State Fairgrounds.

For more information on the show, contact the Southern Farm Show at P.O. Box 36859, Charlotte, NC 28236. Phone: Toll-free in North Carolina: (800) 532-0189.

Seminar To Focus On Irradiated Foods

The preservation of foods with fewer additives and reduced pesticides will be the subject of "Tomorrow's Technology Food Irradiation" Seminar, Feb. 2 in Lexington.

The seminar, slated from 7 to 9 p.m. at the Davidson County Agricultural Center, will feature speakers from the U.S. Food and Drug Administration and the U.S. Department of Agriculture.

Sponsored by Davidson Electric Membership Corporation, Lexington, the Davidson County Agricultural Extension Service and Duke Power Company, the seminar will focus on ways of protecting food from spoilage and new alternatives in this area.

For more information, call (704) 246-5233, or write to Jane L. Ebert, Home Economics Extension Agent, 301 E. Center St., Lexington, NC 27292.

16 Farm Families Get Farm-City Week Awards

Sixteen North Carolina farm families have been recognized for their contributions to agriculture and rural life as part of the 1987 observance of Farm-City Week, Nov. 20-26.

The families are: the Bob and Joyce Mitchem family, Rt. 2, Vale; Melvin and Doris Outen family, Monroe; Oran and Jeannie Benson family, Rt. 2, Pantego; Malcolm and Kitty Whitford family, Rt. 1, Grantsboro; Gurney and Peggy Mathis family, Rt. 2, Roaring River; Thomas and Loree Johnson family, Rt. 1, Dobson; C. M. and Carolyn Ivey family, Gibsonville; David and Wanda Russell family, Rt. 5, Asheboro; Bob and Lucy Crowell family, Asheville; Jeff and Valda Pollard family, Crossnore; Billy and Corene Harris family, Rt. 1, Pendleton; Millard and Christine Dickerson family, Rt. 2, Henderson; Jack and Gail White family, Rt. 1, Creswell; Harvey and Elaine Roberts family, Shawboro; Wilbur and Mary Earp family, Rt. 1, Winnabow; and Earl and Hazel Hendrix family, Rt. 1, Raeford.

Selection of the families was coordinated by the North Carolina Agricultural Extension Service.

Mint Museum Biennial Show Has 40 Works

Forty works of art, selected from over 1,200 entries, will be on display in the 1988 Mint Museum Biennial, Jan. 23 to March 20 in Charlotte.

The Biennial exhibit represents an open format with works of all types on display—crafts, paintings and sculptures among many others. Jurors viewed the work of more than 420 artists from 11 states to come up with their final selections.

Twenty-five artists, most of them from North Carolina, will have their work featured during the show.

The Mint Museum is open from 10 a.m. to 5 p.m. Wednesday through Saturday; 1-6 p.m. Sunday and 10 a.m. to 10 p.m. Tuesday. Admission is $2 for adults and $1 for students and senior citizens. There is no admission Tuesday from 5-10 p.m.

A catalogue of the 1988 Mint Museum Biennial is available for $5 by calling (704) 337-2037 or writing the Mint Museum Gift Shop, 2730 Randolph Road, Charlotte, NC 28207.

Sanford Couple Gets Co-op Council Honor

Michael and Charlene Gaster of Sanford have been named the 1987 Cooperative Couple of the Year during the annual Young Couples Conference sponsored by the North Carolina Cooperative Council.

The Gasters were selected for the honor from among the 14 couples from across the state who participated in the two-day conference in Pinehurst.

Sponsored by the Piedmont Farm Credit Service in Sanford, the couple will represent the statewide council at the National Institute of Cooperative Education next July in Rochester, NY.

The Couple of the Year salute was determined by a vote of the couples and staff participating in the conference.

Robin and Beth Rogers of Alexander County were named the runner-up couple.

The Magic of Letters

Maintaining Precious Family Ties

By Lu Ann Jones

Since I left North Carolina and moved to Connecticut more than two years ago, letters from family and friends have been welcome antidotes to homesickness.

Their hasty notes and rambling monologues can recreate the spontaneous immediacy of a telephone call or the languid pace of an extended visit. Best of all, they can be stashed in drawers and tucked into file folders to be retrieved and savored at will.

Among my most treasured letters are those from my 3-year-old niece and 6-year-old nephew, who live in Tarboro. Out of a fear that we would become strangers, I started writing letters to Warren and Ashley and keeping their replies.

Their mother is the patient scribe who prompts the youngsters with the many questions I ask and, with a minimum of editorial interference, records their answers.

In this way, Warren and Ashley have kept me posted about nursery school playmates and kindergarten adventures, Halloween costumes and Christmas wish lists.

No doubt it is the historian in me that places such stock in written communication and its preservation. I have spent many pleasurable hours doing research in musty archives, deciphering salvaged 19th-century correspondence. So much of the past would be lost to us but for those letter-writers who safeguarded their present.

And so it might be with Warren and Ashley and me, but for letters.

I can read and reread this message from Ashley: "I love you and still remember the fun we had when you visited last summer. Mom keeps filling the bathtub up real deep so I will stay used to going under the water. It is kind of hard to swim in the tub, though!"

Years from now I can enjoy Warren's first theatre review: "You know which part of 'Peter Pan' I liked the best?" he asked. "I liked it when Peter Pan got Captain Hook. I didn't like the pirates because they were mean."

I respond to their letters promptly, and they feel special when mail arrives addressed to "Warren and Ashley Jones."

Beyond the exchange of information about daily routines, our letters often open the way for me to pass along part of our family's lore. Much of that lore centers around the land in Gates County that my parents worked until my father died a few years ago and my mother moved away. They were the last of four generations to farm that land, and I was among the fifth to call it home.

I hope that by knowing those who came before them, Warren and Ashley will discover part of themselves.

I want Warren's young memories to remain vivid of helping his granddaddy tend cattle and riding a tractor perched on his father's lap. I want Ashley, born a month before her grandfather died, to look at her baby pictures years hence and see, as I saw, my father's mother's face. I want them to know my brothers and me as children.

On one return trip to the farm with my mother, Warren told me, he donned his "Black Bart" cowboy outfit and helped a neighbor feed a horse. I used this as an opening wedge to suggest,"Why don't you get your dad to tell you about his favorite horse? His name was Champ.

"When I was a little girl," I continued, "we had another horse that your granddaddy still used to plow the garden for Grandma. In the summer we'd turn him out of the stable each morning and let him graze in the pasture all day. Every afternoon it was my job to round him up. Sometimes as I ran barefoot across the pasture, I'd step on briars. Ouch! They hurt! But I liked to watch that old horse drink at the trough."

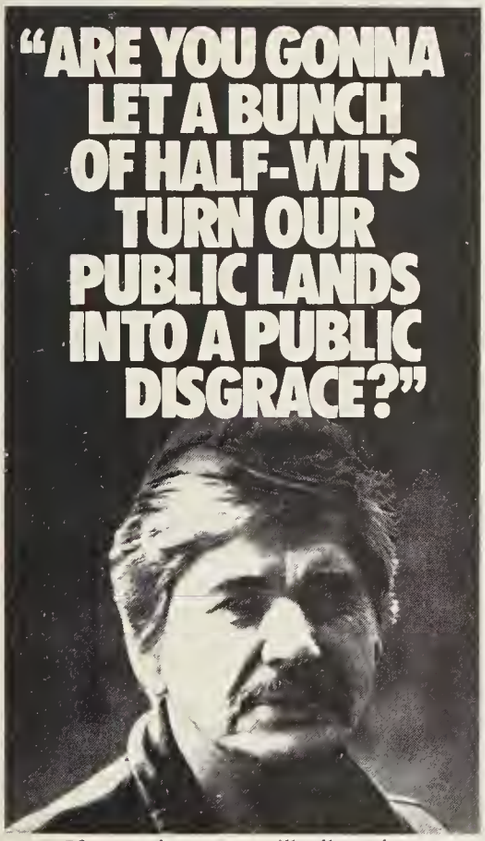
In his next letter Warren replied, "Daddy told me he loved that horse named Champ."

When I was a child these kinds of stories were the customary currency of conversation. Most of my aunts and uncles lived close enough to make the Sunday afternoon drive to the country for a visit. Gathered around the kitchen table or rocking on the porch, they swapped tales. "Remember the time when . . ." someone would begin, and one anecdote resurrected another. I absorbed family and community history by osmosis, and in the process I assumed a place in a continuum of people, events and time.

I cannot duplicate that particular experience for Warren and Ashley. But I can be more than a one-dimensional photograph in a frame or a disembodied voice on the telephone. Together, in our own way, we maintain connections.

Through our letters and the stories we share, I go home again and we are kin. ■

Lu Ann Jones of Hartford, CT, is a consultant historian who has specialized in oral history. She helped coordinate an oral history project on rural electrification in North Carolina in 1985. She is also one of the authors of Like A Family — The Making of A Southern Cotton Mill World, *a new book published by the University of North Carolina Press.*



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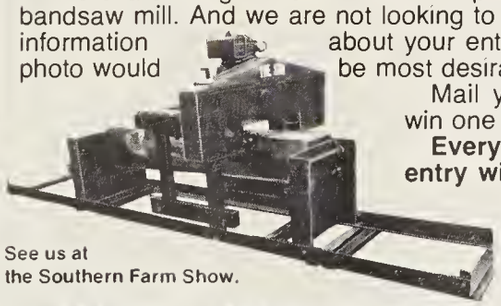

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Co-op Linemen Test Rescue Prowess

Five linemen from rural electric cooperatives across North Carolina have been named winners in the inaugural Statewide Pole-Top Rescue Competition—the first such contest in the country for utility linemen.

A total of 27 linemen participated in the competition, which was sponsored by the North Carolina Association of Electric Cooperatives (NCAEC).

Each contestant was a winner in local competitions that were held at Electric Membership Corporations (EMCs) throughout the state.

The competition simulated a pole-top rescue mission in which the lineman had to radio the emergency from his truck, put on his climbing gear and tool belt, climb a 35-foot pole and lower a 120-pound dummy to safety and perform life-saving procedures. Linemen who failed to follow strict safety instructions were assessed penalties on their time. They were judged on both speed and safety.

"This exercise gave the linemen a test of skills we hope they never have to use in a real emergency," said James M. Hubbard, executive vice president of NCAEC. "If they ever do, their response time could literally be a matter of life or death for the injured lineman."

All the winners in the statewide contest finished the exercise in under 2 minutes 23 seconds. The fastest time was that of Randy Smith, a crew chief from Union EMC, Monroe, who finished in 2 minutes 19.3 seconds. He received the first place prize of $500.

The other winners, who also received cash awards, were: Odie Pernell, a crew leader from Wake EMC, Wake Forest, second; Joe McCollum, a first class lineman from Lumbee River EMC, Red Springs, third; Tommy Lineberry, a journeyman lineman from Davidson EMC, Lexington, fourth; and Rocky Fleming, a first class lineman from French Broad EMC, Marshall, fifth.

Tommy Lineberry, a journeyman lineman with Davidson EMC, Lexington, goes through an exercise in Pole-Top Rescue as part of a competition involving 27 linemen from co-ops across North Carolina. He finished fourth in the contest, which required participants to climb a 35-foot pole and bring a 120-pound dummy to the ground. All five winners, below, completed the assignment within 2 minutes, 23 seconds.

Stories and photos by Randy Wheeless

The competition was held at Wake Technical College, which regularly hosts the lineman training programs organized by NCAEC. The awards were presented at the quarterly meeting of the NCAEC Board of Directors.

The EMCs employ about 600 linemen, all of whom are required to take Pole-Top Rescue training on a regular basis. Most of them participated in the contest, which was added to the training program in 1987. Plans call for repeating the competition every two years.

The other linemen who won local competitions and participated in the statewide contest, listed by EMCs, were:

Albemarle EMC, Glenn Parks; Blue Ridge EMC, Fred Brooks; Brunswick EMC, Reno Coleman; Cape Hatteras EMC, Clifton E. Austin, Jr.; Carteret-Craven EMC, Paul Quillen; Central EMC, Frank Holder; Crescent EMC, Roy Smith; Edgecombe-Martin County EMC, Dale Grizzard.

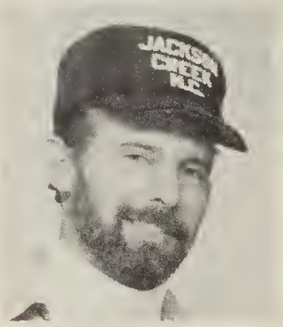
Four County EMC, Danny Carroll; Halifax EMC, Mike Chappell; Harkers Island EMC, Reis Johnson; Jones-Onslow EMC, Riv Ezzel; Pee Dee EMC, Joey Keane; Piedmont EMC, Wallace Wilson; Pitt & Greene EMC, Tony Vandiford; Randolph EMC, James Whitfield.

Roanoke EMC, Richard Williford; Rutherford EMC, Bryan Putnam; South River EMC, Danny Wolf; Surry-Yadkin EMC, Johnnie Hiatt; Tideland EMC, Gilbert Newman and Tri-County EMC, W. L. Johnson.

Smith

Pernell

McCollum



Lineberry

Fleming

EMC Employee Designs Emblem

Teddy Bullard not only had the artistic talents to design the emblem for the North Carolina's Statewide Pole-Top Rescue Competition, he had the background as well.

Since he worked for three years on a line crew with Brunswick Electric Membership Corporation (EMC), Shallotte, he knew from experience what it takes to be a co-op lineman.

"I have a deep respect for what they do," Bullard said. "I thoroughly enjoyed doing the emblem. It was quite an honor to have my design chosen."

The emblem project and Bullard came together about a year ago, when Tommy Greer, a job training and safety specialist with the North Carolina Association of Electric Cooperatives, mentioned to Bullard that the statewide Pole-Top Rescue Competition was being planned by the association.

Through an exchange of ideas, Bullard developed the emblem design for use on hats and patches for the contest's participants.

Bullard, who has been with Brunswick EMC for seven years, now works in the co-op's satellite TV and load management programs.

Over the years, he has put his artistic talents to work for the EMC more than once. "I've been drawing all my life," he said. "I've never had any formal training to speak of. I guess you could say it's natural talent—most of it I acquired on my own."

Designing the Pole-Top Rescue emblem has been only the latest artistic accomplishment for Bullard.

In late 1986, he came up with a jingle for the co-op's annual meeting, which later became a full-fledged song, "Brunswick EMC and You."

The song was later recorded by a group of Brunswick EMC employees and made available on audio cassette. Last summer, it was the basis for a music video the co-op produced. Bullard said he enjoys both music and art work.

"It's hard to separate the two. I've always loved music and loved to sing. I've written a number of other songs—some of which have been used and some of which no one has ever heard." ■

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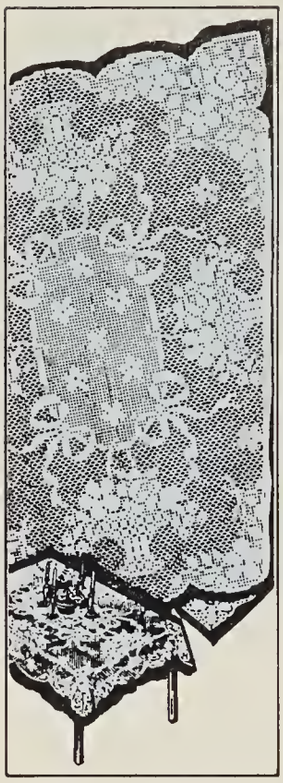
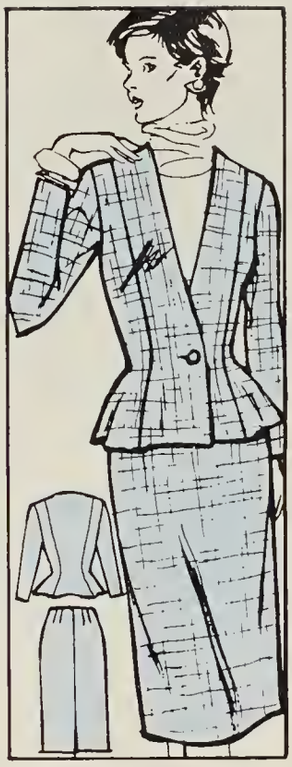


7364: Crochet beautiful filet cloth in ribbons and floral design. Use bedspread cotton. Includes chart, directions for cloth about 48x60".



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COUNTRY KITCHEN

Would You Like To Share Your Recipes?

If you would like to share a recipe with this column, send it to: *Carolina Country,* P.O. Box 27306, Raleigh, North Carolina 27611.

We pay $5 for published recipes and present each monthly winner a set of 50 recipe cards featuring a reprint of the published recipe.

Potato Luncheon Meat Casserole

Submitted by Mrs. Jack Stroud, Elkin

4 C. potatoes, thinly sliced
1/2 C. chopped onions
1 can Spam (12 oz.), cut in strips
1 can Campbell's cheddar cheese soup
3/4 C. milk
Paprika

Place potatoes, onions and spam alternately in casserole. Blend soup and milk and pour mixture over potatoes. Sprinkle with paprika, cover and bake in a 400 degree oven for one hour. (Serves 6).

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Some of the designs include "Roses On Mauve Jar Lid," "Small Basket of Daisies," "English Garland Box" and "Country Window."

To obtain *The Floral Touch,* #MM1351, send $5.75, including postage and handling. For a variety of handicraft projects you may wish to try our *Crafts Grab Bag* #C27 (six different guidebooks NOT including #MM1351) for $8. Send your check to **Lois Goodson, c/o *Carolina Country,* P.O. Box 2383, Van Nuys, CA 91409-2383.**

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For Ashe County Senior

National Board Term Winds Down

For the past year, Shelia Hale of Rt. 1, Jefferson has been taking a crash course learning about the nation's rural electric program. And she says she's loved every minute of it.

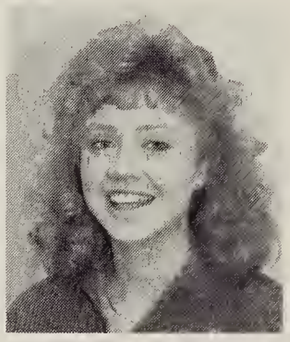
Hale was a participant in the Rural Electric Youth Tour last June when 35 North Carolina high school students—sponsored by their local Electric Membership Corporations (EMCs)—spent a week touring Washington, learning about the nation's capital and the cooperative philosophy.

It was an exciting time and a learning process for the 17-year-old high school senior, whose family is served by Blue Ridge EMC, Lenoir. Not only had she never been to Washington, she knew little about rural electric cooperatives.

"I didn't know much of anything about rural electrification," she said. "I had heard of REA (Rural Electrification Administration) and Blue Ridge Electric. But as far as knowing anything else—I didn't."

The Youth Tour experience for the Ashe Central High School student was typical of any teenager's first trip to Washington.

"It was great," said Hale, who is planning to attend either the University of North Carolina at Chapel Hill or Appalachian State University next year. "I liked the capitol best of all. I suppose I took more pictures of that than anything."



The Youth Tour is designed to give young people a better understanding of the value of rural electrification, a closer look at the nation's political history and a better understanding of how the federal government works. Hale came away with a lot of knowledge from her trip, but her learning process hasn't stopped.

While on the Youth Tour, she was chosen to represent North Carolina on the national Youth Consulting Board (YCB). Sponsored by 30 states, the YCB recognizes the talents of young men and women from rural America and gives them a more in-depth look at rural electrification.

Hale's first task on the YCB was to return to Washington in August as a member of the board's Youth Relations Committee. Hale worked at the National Rural Electric Cooperative Association (NRECA) offices and spent one afternoon working in the congressional offices of Fifth District Rep. Stephen Neal.

She'd traveled by bus on the Youth Tour, but this trip gave Hale her experience with flying.

"It was kind of scary," she said. "My dad had flown some, but my mom was a little skeptical—especially about me going alone."

Hale has since become an "old pro" at flying. In November, she addressed a breakfast meeting of 300 people at the National Grange Convention in Syracuse, NY, discussing the rural electric program and her YCB activities.

In February, Hale will make her final trip as a YCB member when she attends the NRECA Annual Meeting in New Orleans. While there, Hale and other YCB members will provide assistance to delegates and guests, and also spread the word about the Youth Tour program.

As her year on the YCB winds down, Hale is spreading the word back home about her experiences. She hopes she can help some of her schoolmates get involved in the 1988 Youth Tour.

"I'd like to see some of my friends go," she said. "It's a great experience." ■

If you want more information about the process that's used to select participants for the Rural Electric Youth Tour, contact your local EMC or write to Ms. Lorrie Constantinos, North Carolina Association of Electric Cooperatives, P.O. Box 27306, Raleigh, NC 27611.

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Five "Youth Looks At Aging" Projects Cited

Tar Heel 4-H'ers Reach Out To Elderly

North Carolina 4-H youth are winning the hearts of the elderly in their communities with award-winning projects in a "Youth Looks at Aging" contest.

Five 4-H clubs have been recognized for outstanding dedication to the project, which is designed to increase appreciation of senior citizens and their special needs. The project is sponsored by the American Association of Retired Persons and conducted by the North Carolina Agricultural Extension Service.

The winning clubs are the Happy Heifer 4-H Dairy Club, Randolph County; the White Marsh 4-H Club, Columbus County; the Arcadia-Reedy Creek 4-H Club, Davidson County; the Thurmond Street 4-H Club, Forsyth County and the Rockingham Seniors 4-H Club, Richmond County.

The purpose of the project is to encourage youth to be more sensitive to the needs of the aged. It is also designed to help bridge the communication gap that often exists between generations.

Each club did a survey to determine the needs of senior citizens in their communities and set goals to meet those needs.

As a part of the project, Happy Heifer 4-H Dairy Club members decided to adopt as grandparents 20 residents of a community rest home. They sent monthly gifts to each resident—a valentine cow in February and a cow barometer in August. They also sent birthday and anniversary cards and made personal visits.

The group made homemade ice cream for "cow" bingo parties. They also presented skits and musicals and hosted a special "Grandparents Party." Club members decorated the rest home with cows during June, Dairy Month, to emphasize the nutrition of milk.

One of the club's goals was to develop communication between its members and the residents of the rest home, according to club leaders Sig McClain of Sophia and Lucille Ward of Rt. 2, Lexington. The leaders said they discovered that "communication can develop quickly around a common interest such as nutrition."

Rockingham Seniors 4-H Club members were told during a visit to a community nursing home that residents wanted bird feeders outside their windows so they could "bird watch" from their rooms. The group

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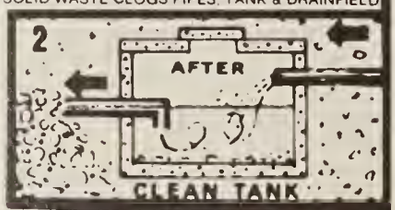

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raised money for the project with a bake sale and had bird feeders made and erected at the home, according to club leader Nancy L. Getsinger of Rockingham.

"The group saw a need for large print books, such as dictionaries and Bibles, at the nursing home," Getsinger said. The 4-H'ers raised money with a second bake sale and donated a check for the books.

The White Marsh 4-H Club in Columbus County decided to try to relieve some of the loneliness of senior citizens in their community. They also wanted to narrow the generation gap through better communication.

Members carried fruit baskets to elderly and visited rest homes. They visited homes to help with everyday chores such as shelling beans and peas, cleaning and hanging clothes out to dry. Club leaders Frances Sellers and Patsy Eason, both of Whiteville, said the 4-H'ers also mowed yards, fed chickens and rearranged furniture.

In an effort to promote better understanding between generations, club members invited aging World War II veterans to a regular meeting. The veterans brought pictures, uniforms and scrapbooks and talked about their experiences.

The Arcadia-Reedy Creek 4-H Club in Davidson County decided that the greatest need of the aging in their community was to know that someone cared about them and that they were vital to their community.

The 4-H'ers delivered fruit baskets, donated by a local businessman and homemade bread to elderly shut-ins.

Club leader Vi Craver of Rt. 8, Lexington, said they also visited rest homes and took tissue, magazines, clothing and other personal items to residents.

"The group learned to relate to the elderly and feel comfortable in a rest home environment," she said.

Forsyth County's Thurmond Street 4-H Club decided to get to know residents of a local rest home. Members visited the residents and some 4-H'ers adopted "grandparents," according to club leaders Julie Medlin and Heather Stevenson, both of Winston-Salem. ■

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Required on 1987 Tax Returns

Children Must Have Social Security Numbers

Starting with the federal income tax return for 1987, parents claiming children as dependents will have to show the Social Security number for children age five and older.

These numbers must be obtained before you can file your 1987 tax return if you are claiming children five or older as dependents, according to officials of the Social Security Administration.

Everyone who applies for a Social Security number must provide evidence of age, identity and U.S. citizenship, or lawful alien status. This includes young children.

Parents sometimes have difficulty finding the required evidence for their children. They especially have trouble with the idea of providing evidence of identity.

Proof of age is relatively easy. An official

U.S. public birth certificate, recorded before age five, is preferred. This document will also establish citizenship.

Social Security Administration officials said documents which will establish a young child's identity and which are usually available to most families include: a school report card, school ID card, newspaper birth announcement, court order for name change, church membership or confirmation record, doctor or hospital records, vaccination certificate, day care or nursery school record or a child's membership in youth organizations such as Scouts.

This is not the entire list. Any document providing enough identification data can be used.

Foreign-born applicants will also need the appropriate immigration and naturalization service documents.

Only original documents or copies certified by the issuing agency can be used.

For more information, contact your local Social Security Office. ■

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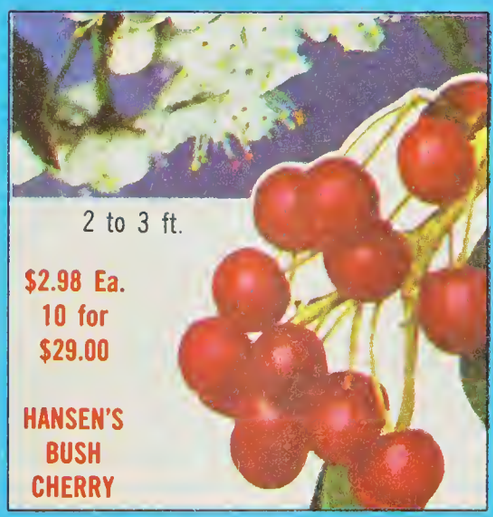
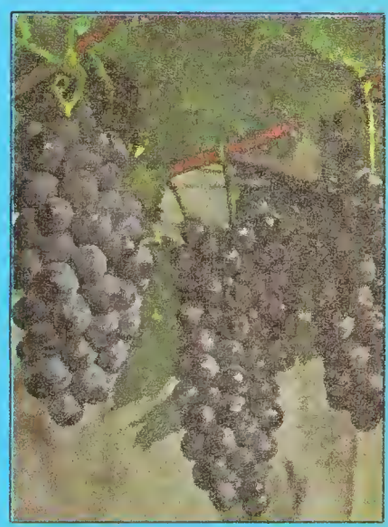


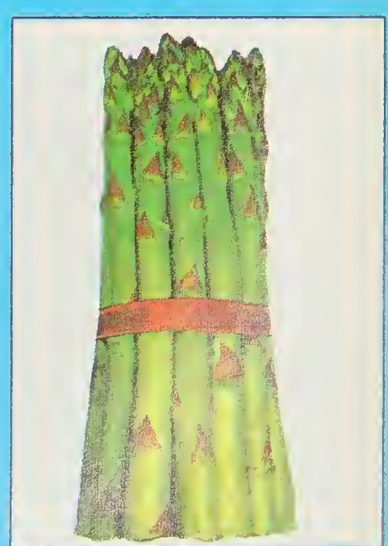
Ornamental bush with thick, bright green foliage, small white flowers. Proflific producer of good quality fruit for home use.



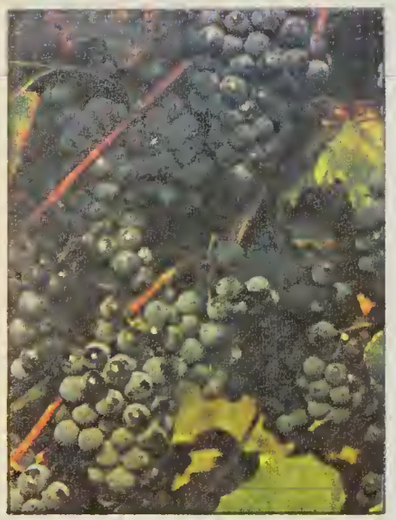
FREDONIA GRAPE
1 to 2 ft. . . . 1.49 ea. 10 for 14.50
One of the hardiest of all grapes. It is also strong growing prolific. Has high quality, with big compact clusters of black grapes.

10 RHUBARB—1 yr. roots..... 2.98
Stalks are large, tender and juicy. Grown from selected seeds, they quickly form large clumps for tasty sauces and pies.

YOSHINO CHERRY
3 to 5 ft. . . . 7.98 ea. 10 for 79.00
Graceful, ornamental tree covered with single, light pink to nearly white, fragrant blooms in early spring. To 40' tall.
Deciduous.



20 ASPARAGUS—1 yr. roots 3.75
100 for 14.50 500 for 70.00
It produces shoots of finest quality and very uniform in size, shape and color. 50 to 100 roots supply an average family.



CONCORD GRAPE

1 to 2 ft. . . . 1.49 ea. 10 for 14.50

The Concord Grape is one of the most popular and reliable grapes ever grown. Bunch is large and round and well shouldered. Berries are large and round, almost black in color. Juicy and delicious with a very sweet, buttery flavor.

CATAWBA GRAPE

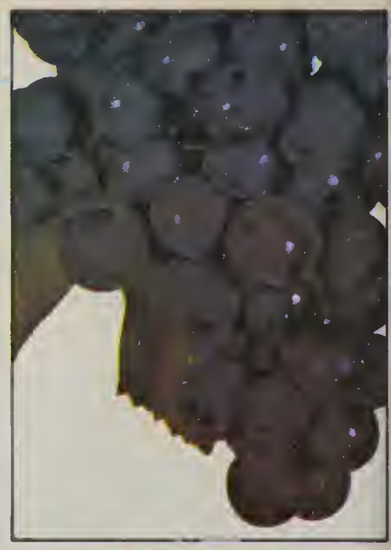
1 to 2 ft. . . 1.98 ea. 10 for 19.00

Large clusters of coppery-red berries. Full, sweet flavor makes this a popular table variety. Vine is a heavy producer.

LUTTIE GRAPE

1 to 2 ft. . . 1.98 ea. 10 for 19.00

Large clusters of sweet juicy fruit. Hardy.



DELAWARE GRAPE

1 to 2 ft. . . 1.98 ea. 10 for 19.00

Small, round, light red berries with lilac bloom in full clusters. Aromatic; juicy, vinous in flavor. Bears heavily. Ripens early mid-season. Vine is hardy.

RUSSIAN MULBERRY

1½ to 2 ft. . . . 1.98 ea. 10 for 19.50

The Russian Mulberry is a rapid growing tree that bears at any early age. It grows about 40 feet tall. Should plant two trees for pollination. This tree has fruit that is well liked by birds. Plant these near your berry plants and cherrie trees will help save your crop from birds.

HUNT MUSCADINE GRAPE

1 to 2 ft. . . . .98 ea. 10 for 9.00

Considered the best dark-fruiting Muscadine. Even ripening. Excellent for wine, juice, jelly and jam. Recommended for both home and commercial planting.

BRONZE SCUPPERNONG GRAPE

1 to 2 ft. . . . .98 ea. 10 for 9.00

Large, thick skinned, reddish-bronze berries with russet dots. Flesh is pale, with juicy, sweet to agreeably tart flavor. Vine is vigorous and productive.

CELESTE FIG

1 to 2 ft. . . 3.98 ea. 10 for 39.00

The fruit consists of firm, juicy white flesh with violet to purple brown skin. Self pollinating.

PAW PAW

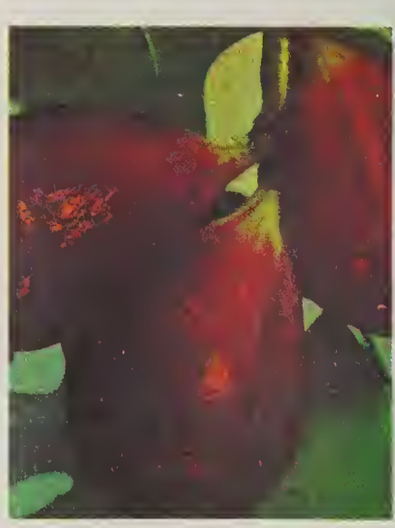
1½ to 2 ft. . . . 2.49 ea. 10 for 24.00

A small tree that forms colonies from root sprouts, with straight trunk, spreading branches, and large leaves. Height 30 ft. Fruit 3 to 5 inches long, edible soft yellowish pulp has flavor of custard.

TEXAS EVERBEARING FIGS

1 to 2 ft. . . 3.98 ea. 10 for 39.00

The fruit and tree resemble 'Brown Turkey.' The variety will resprout and bear after a freeze kills back the top.



'Brown Turkey' FIGS

1 to 2 ft. . . 3.98 ea. 10 for 39.00

Handsome, bushy plants will bear figs this summer on new growth. Give winter protection or pot for indoor plant in the North.

AMERICAN PERSIMMON

1 to 2 ft. . . 1.98 ea. 10 for 19.00

The Common American persimmon is a fine fruit that in its best forms is well worth growing as a home garden fruit as far north as the southern shores of the great lakes. Grows up to 50 ft. tall. Fruit yellow or orange in color with redish cheek.

FLOWERING SHRUBS 1 or 2 Years Old

CRAPE MYRTLE —Red
1 to 2 ft. . . . 1.49 ea. 10 for 14.00
Strong growing shrub, adapting itself to almost any soil and condition except in the northern section where temperatures often drop below zero. Does very well south of Philadelphia. Leaves bright green, the blooms are large panicles of crinkled little florets. Blooms late July and August. Ultimate height 5 to 6 feet.

MOCKORANGE—White
1 to 2 ft. . . . .99 ea. 10 for 9.50
This is the familiar "Mockorange." It grows to 6 to 8 feet, sometimes more. The flowers come in May and June. Very fragrant creamy white which blossoms with a perfume that lingers on the air. A fine shrub, standing hardships well, even the smoke and dust of cities.

PINK SPIREA
to 2 ft. . . . 1.29 ea. 10 for 12.00
orms a dense mass of growth. Bright pink, fluffy flower spikes n July and August. Ultimate height 5 feet.

SPIREA VAN HOUTTIE—White
1 to 2 ft. . . . 1.49 ea. 10 for 14.00
Common "Spirea," also sometimes erroneously called "Bridal Wreath." Seen everywhere, this plant is none the less graceful if given enough room to grow naturally, and pruned properly at the right time. Ultimate height 8 feet.

BUSH HONEYSUCKLE—Red, Pink
1 to 2 ft. . . . .99 ea. 10 for 9.50
An upright shrub with a profusion of small, fragrant blossoms in May and June, but its chief charm is in its wealth of ornamental berries which cover the bush in summer and autumn and usually into winter. We offer varieties that have red or pink flowers, all having showy berries. Ultimate height 10 ft.

FORSYTHIA—Yellow
1 to 2 ft. . . . 1.29 ea. 10 for 12.50
One of the most popular shrubs. Large, bushy plants with sweeping, graceful foliage. In spring, before leaves come out, the plant is covered with bellshaped blooms of rich golden color. Ultimate height 8 feet.

BLUE HYDRANGEA
1 to 2 ft. . . . .1.29 ea. 10 for 12.00
Large cool-blue blossoms throughout the summer amid green leaves. The more acid the soil, the deeper blue will be the color. Maintain soil acidity by using aluminum sulphate. Grows 3-4 ft. tall in partial sun or shade.

SWEET SHRUB
1 to 2 ft. . . . 1.98 ea. 10 for 19.00
This shrub has a confusing number of common names among which are "Strawberry Shrub," "Carolina All-Spice," and several others. Glossy foliage and red-brown flowers in spring followed by seed-bearing husks. Ultimate height 5 ft.

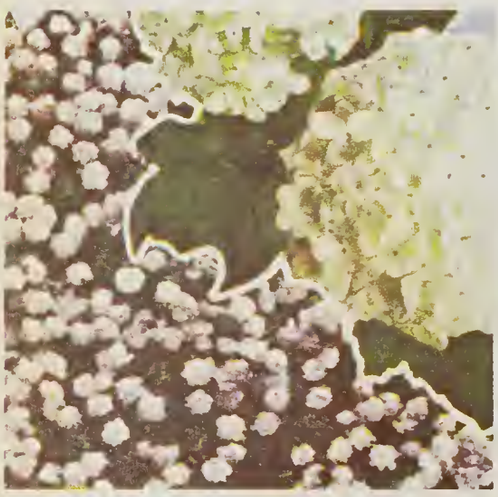
WEIGELIA—Red
1 to 2 ft. . . . .1.29 ea. 10 for 12.00
The red weigelia has a ruby-red shading and blooms all summer.

FLOWERING SHRUBS 1 or 2 Years Old

FLOWERING QUINCE—Red
1 to 2 ft. . . . 1.29 ea. 10 for 12.00
Low growing shrub with dark green foliage. Bright orange-red flowers from April to May. Spicy fruits make fine jelly. Stands drought well.

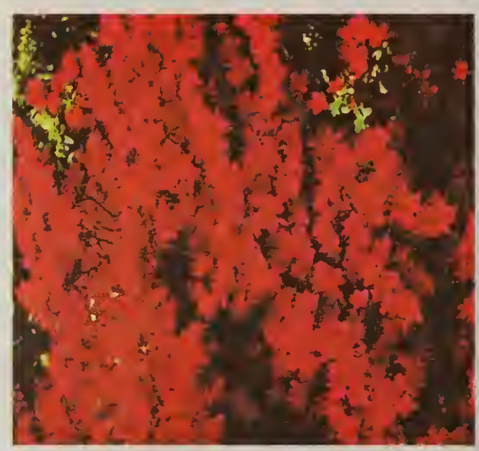
FRENCH LILACS—Red
1 to 2 ft. . . . 4.98 ea. 10 for 49.00
The French or Hybrid Lilacs, named varieties of the species, Vulgaris, are due to the efforts of European and American hybridizers, and the results are a great improvement over the well known common Lilac. They have, in fact, placed the Lilac on a pinnacle in the family of flowering shrubs. Ultimate height 15 feet.

PERSIAN LILAC—Purple
1 to 2 ft. . . . 1.29 ea. 10 for 12.00
One of the most famous Lilacs, with arching branches and very fragrant pale purple flowers in rather loose broad panicles, opening late in spring. Ultimate height 6 to 8 feet.



JAPANESE SNOWBALL
1 to 2 ft. . . . 1.98 ea. 10 for 19.00
A rare and exceedingly beautiful species. Flowers in large, globular heads, pure white, hanging long on the bush, a very choice and desirable shrub. Blooms in May. Ultimate height 8 feet.

PINK CRAPE MYRTLE
1 to 2 ft. . . . 1.49 ea. 10 for 14.00
Pink, crepe-like flowers in huge fluffy clusters cover plant from mid-summer till frost. Upright bush has attractive glossy green foliage, turns yellow, sometimes orange to red in fall.



AZALEA—Red, White, Pink, or Purple
½ to 1 ft. . . . 1.29 ea. 10 for 12.50
By nature Azaleas are woodland plants. They love partial shade and acid soil. The roots, which are near the surface, should be kept cool and damp, and never allowed to dry out. Oak leaves are ideal for covering the ground beneath them. Azaleas can be supplied in colors of red, white, pink or purple. Ultimate height 6 to 8 feet.

SNOWBERRY—Red
1 to 2 ft. . . . 1.49 ea. 10 for 14.00
An erect, shrub with white blossoms in June and July. Attractive fall color with crimson foliage, red berries.

PUSSY WILLOW
1 to 2 ft. . . . 1.29 ea. 10 for 12.00
Large silvery catkins. Popular for indoor forcing in late winter and early spring as well as effective lawn and garden shrub.

OLD FASHIONED LILAC
1 to 2 ft. . . . 1.98 ea. 10 for 19.00
An old-fashioned favorite. Requires sunny spot. Makes a good screen planting.

FLOWERING TREES 1 or 2 Years Old

MAGNOLIA GRANDIFLORA

½ to 1 ft. . . . 1.98 ea. 10 for 19.00

Magnificent specimen tree with big glossy leaves and fragrant white flowers. Grows to about 40 feet.

DOUBLE PINK FLOWERING CHERRY

3 to 5 ft. . . . 7.98 ea. 10 for 79.00

The upright form of the famous Japanese Cherries. An outstanding specimen for the lawn. Very Large dark pink blooms in early spring. Ultimate height 30 feet.

EUROPEAN MOUNTAIN ASH

3 to 4 ft. . . . 2.98 ea. 10 for 29.0

Very hardy, dense head, and regular, beautiful fernlike gre foliage, covered from July till winter with clusters of bright r berries. The combination of foliage and clustered fruits ma this most striking and beautiful. Ultimate height 30 feet

AMERICAN REDBUD

3 to 5 ft. . . . 1.98 ea. 10 for 19.00

The Redbud is often used as a specimen or to provide a high point in a shrub border. Branches are covered with small, pea-like, purplish pink blossoms before the foliage comes out in spring. Ultimate height 15 feet.

WHITE FLOWERING DOGWOOD

2 to 4 ft. . . . 1.50 ea. 10 for 14.00

Well known to everyone, beautiful all the year. Large, white, single blossoms are conspicuous early in spring. The foliage is attractive all summer, and the fall colors beautiful. Red berries hang on most of the winter. Use as a specimen, or in groups as a background for borders. Grows up to 30 feet high.

PURPLE LEAF PLUM

2 to 4 ft. . . . 2.49 ea. 10 for 24.0

This red-leaved flowering plum will add contrast, color an variety to your lawn. Holds its deep rich color all season. Pin blossoms in early spring, followed by ornamental bright re fruits. Hardy anywhere. Attains 8 to 10 feet height.

SMOKE TREE

1 to 2 ft. . . . 2.49 ea. 10 for 24.00

Also called Purple Fringe. It has small yellow-green flowers in May or early June which are of no consequence, but the fruits which form in middle of July are purplish in color and very dense and feathery, covering the tree, giving a handsome smoky appearance which lasts through late summer and early fall, and gives it its name of Purple Fringe Tree. Grows to a height of 8 to 15 feet.

MANOLIA, SOULANGEANA

1 to 2 ft. . . . 3.98 ea. 10 for 37.50

The most popular hard Magnolia. One of the first trees to bloom in the spring. The delightful, fragrant blossoms appear before the leaves. Blooms are large, often measuring 8 inches across, purple-pink on the oustide and white on the inside. Grows up to 15 feet tall.

BRADFORD FLOWERING PEAR

3 to 5 ft. . . . 9.98 ea. 10 for 95.00

Very desirable, medium sized, non-fruiting tree with erect, upsweeping branches. Snowy white blooms in spring and striking bronze-red foliage in fall.

FLOWERING TREES 1 or 2 Years Old

CHINESE REDBUD
2 to 3 ft. . . . 2.98 ea. 10 for 29.00
Similar to the native redbud but has denser habit and more flowers. A spectacular floral display near a patio or among evergreens for contrasting interest. Height to 12 feet.

MIMOSA—Pink
3 to 5 ft. . . . 1.98 ea. 10 for 19.00
SMALL ORNAMENTAL TREE WIDELY PLANTED THROUGHOUT THE SOUTH. Grows to blooming size in a short time and masses of pink flowers are borne through early summer. A good flowering tree for almost any soil condition.

RED FLOWERING DOGWOOD
2 to 3 ft. . . . 9.98 ea. 10 for 95.00
Truly Red Flowering Dogwood. Beautiful, deep ruby-red which holds up throughout the blooming season. Growth habits of the tree similar to White and Pink Flowering Dogwoods, different only by having deep ruby-red flowers and red coloring in the new growth.

FLOWERING CRAB —Pink
3 to 5 ft. . . . 3.98 ea. 10 for 37.50
The Pink Flowering Crab has double rose pink blossoms where the Red Flowering Crab has vigorous red blossoms. After blooming they have clusters of small red Crab apples.

GOLDEN RAIN TREE
2 to 4 ft. . . . 3.98 ea. 10 for 37.50
This medium sized tree does not usually grow over 30 feet tall. Does well in a variety of soils, but seems better suited to open sunshine than to shade. Midsummer brings showy 12 to 18 inch clusters of lemon-yellow flowers.

PINK FLOWERING DOGWOOD
2 to 3 ft. . . . 9.98 ea. 10 for 95.00
A most valuable low growing and colorful tree for the lawn. Before the leaves appear, the tree is literally covered with rose-pink flowers suffused with bright red. Grows up to 20 feet high. A gorgeous spectacle.

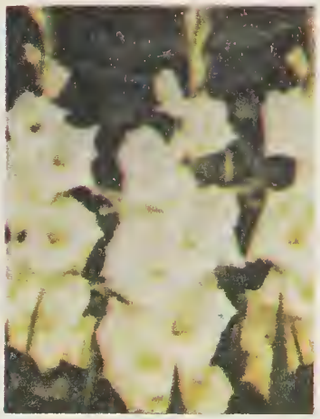
FLOWERING CRAB—WHITE
3 to 5 ft. . . . 3.98 ea. 10 for 37.50
White blossoms in early spring, followed by ruby-red berries. Height to 20 feet.

FLOWERING CRAB—RED
3 to 5 ft. . . . 3.98 ea. 10 for 37.50
Compact tree loaded with bright red blooms in Spring. Attractive Fall fruits. Good foliage.

PURPLE FLOWERING SAUCER MAGNOLIA
1 to 2 ft. . . . 3.98 ea. 10 for 39.00
Large lily-shaped flowers of dark reddish purple. Blooms later and longer than soulangeana. Height to 20 feet.

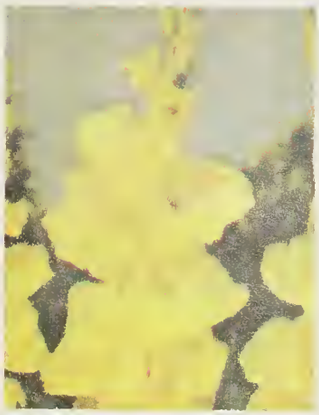
BLOOMING SIZE GLADIOLUS BULBS

RED GLADIOLUS
10 ..... $1.98
25 ..... 3.98
50 ..... 6.98



WHITE GLADIOLUS
10 ..... $1.98
25 ..... 3.98
50 ..... 6.98

PINK GLADIOLUS
10 ..... $1.98
25 ..... 3.98
50 ..... 6.98



YELLOW GLADIOLUS
10 ..... $1.98
25 ..... 3.98
50 ..... 6.98

HEDGE PLANTS

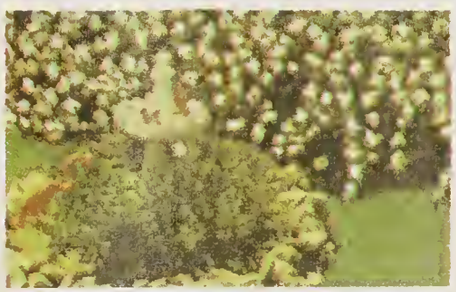
WAX LEAF LIGUSTRUM
½ to 1 ft. . . . .98 ea. 10 for 9.50
The Wax Leaf Ligustrum is the spreading grower with thick glossy leaves. Ultimate height 6 feet. Fast growing variety. Grows swiftly into a large dense shrub. Small white flowers are followed by clusters of blue berries.

BURNING BUSH ½ to 1 ft. . . . .69 ea.
10 for 4.00 100 for 35.00
In fall the leaves turn a brilliant mirrow-bright crimson. A 4-5 ft. showpiece with unusual corky bark. Hardy in sun or partial shade.

25 NORTH PRIVET HEDGE 1 to 2 ft. . . . 8.98
The variety most widely used by our customers in northern states and Canada. Nice young stock to give you the appearance so necessary for quick retail sales; rich, attractive foliage. Trim any desired height for a dense, formal hedge clear to the ground or leave untrimmed as a tall screen. Hardy, inexpensive and fast growing in the sun or shade. Plant 1 feet apart.

25 IBOLIUM PRIVET HEDGE 1 to 2 ft. 8.98
We are continually getting reports from this variety as to its hardiness. Many customers say it is just as hardy with them as amurense. We take the attitude that "the customer is always right."

RED BARBERRY 10 for 12.00
1 to 2 ft. . . . 1.29 ea. 50 for 50.00
Foliage bright red in spring, dull red in summer and brilliant scarlet in fall. For best coloring, plant in full sun. Ultimate height 4 feet.



10 MULTIFLORA ROSE
1 to 2 ft. . . . 7.50 ea. 100 for 74.00
Protect and beautify your property. An inexpensive practical fence that grows so dense no person or animal can get through. The plant grows 6 to 8 feet tall and 5 to 6 feet wide, and are tough and fast growing. Covered with a multitude of white flowers in spring, and loaded with attractive red fruit in fall and winter which provides food for wild life. Plant 2 ft. apart for hedge or fence.

RUGOSA ROSE
1 to 2 ft. . . . 5 for 5.98 10 for 11.50
The large, rose-lavender or sometimes white flowers are borne on very spiny, hairy stems. Fruit: fleshy hip, brick red, capped by long persistent sepals. Blooming from June to September.

SHADE TREES 1 or 2 Years Old

CHINESE ELM

2 to 4 ft. . . . .98 ea. 10 for 9.00

Quite a new variety, very rapid grower. Adapts itself to unfavorable soils and conditions. Grows well in extremely dry locations. Ultimate height 30 to 50 feet.

3 to 5 ft. . . . 1.98 ea. 10 for 19.00

Hybird Poplar will thrive in a wide range of soils and weather conditions. Dense foliage providing heavy shades is our best natural air-conditioner. Will mature to the heights of 50 to 70 feet and will spread 30 to 35 feet. Makes fast shade.

WHITE BIRCH

4 to 5 ft. . . 1.99 ea. 10 for 17.50

Many people know this eye-catching native tree as White Birch or Canoe Birch. The white bark and clear yellow leaves in fall provide showy colors. Height 60 feet, spread 30 feet.

GINKO TREE

3 to 4 ft. . . . 9.98 ea. 10 for 98.00

Very effective for lawns, foliage fernlike, yellow-green marked with delicate hairlike lines. The fruit, which matures in the fall, has a sweetish, resinous taste, 50 feet at maturity.

SUGAR MAPLE

4 to 5 ft. . . 1.98 ea. 10 for 19.00

The largest of all maples, and its beautiful array of yellow and orange hues make it a sight to remember due to the foliage thickness. A very hardy northern and southern tree and will grow up to 60 feet.

SAWTOOTH OAK

2 to 4 ft. . . . 2.98 ea. 10 for 29.00

Deciduous shade tree. Wide-spreading dense habit. Lustrous, chestnut-like leaves provide dense shade. Yellow fall color. Tall-growing, over 35' (11m.) Prune in late fall or winter. Uses: Specimen. Following planting diagram exactly.

LOMBARDY POPLAR

3 to 5 ft. . . . .99 ea. 10 for 9.00

Suitable as a background, along driveways, screening off outbuildings and other unsightly objects.

RED OAK

3 to 5 ft. . . . 2.98 ea. 10 for 29.50

Tree with rounded, open crown of large spreading branches, and smooth cherry like bark with short ridges. Turns red in Fall-grows to 80 ft. tall.

TULIP-TREE

4 to 5 ft. . . . 1.98 ea. 10 for 17.50

One of the loveliest of our native trees. Tall growing, of shapely habit, and its large irregular leaves make it ideal for quick shade. Bears numerous tulip-like flowers in spring. Blooms are yellow, marked inside of base with orange.

RED MAPLE

4 to 5 ft. . . . 1.98 ea. 10 for 19.00

A large growing Maple tree that is known for its beautiful flowers, appearing before leaves and for its attractive red in autumn. Does well in moist or damp places.

PIN OAK

3 to 5 ft. . . . 2.98 ea. 10 for 29.50

The Pin Oak is a handsome tree, especially when young, often used for avenues. Grows rapidly and prefers somewhat moist soil. Foliage bright red in fall. Fibrous-rooted and transplants well.

SHADE TREES 1 or 2 Years Old

JAPANESE RED LEAF MAPLE

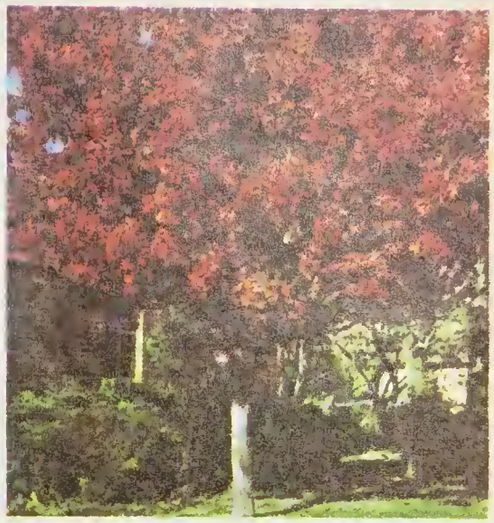
1 ft. . . . 6.98 ea. 10 for 69.00

A lovely red leafed tree for accents, not large, can be grown as a bush if desired.

DAWNS REDWOOD

1 to 2 ft. . . . 4.49 ea. 10 for 42.50

A hardy pyramid like an evergreen with fernlike foliage and cones, but it is deciduous. Enjoys wet places. One of the oldest trees known to man we know you will enjoy. Height about 35 ft.



SCARLET OAK

3 to 5 ft. . . . 2.98 ea. 10 for 29.50

Fast growth to 90 feet, with broad, spreading branches and round crown. Leaves turn to dark red, then ruddy brown and orange in fall. Deciduous.

GREEN ASH

3 to 5 ft. . . . .1.98 ea. 10 for 19.00

Dense, twiggy tree with compact oval crown, and bright green foliage. Well shaped, moderate grower to about 50 feet. Hardy.

CATALPA FISH BAIT TREE

2 to 3 ft. . . . 1.98 ea. 10 for 19.50

Good understock for catalpa bungei. Used for fence post. Also becoming very popular for production of worms for fish bait.

SILVER MAPLE

4 to 5 ft. . . . 1.98 ea. 10 for 17.50

A very fast growing, soft wooded tree reaching a height of 50 to 60 feet. Leaves deeply cut and very attractive, being a silvery white underneath.

GREEN WEEPING WILLOW

4 to 5 ft. . . 1.98 ea. 10 for 19.00

This common Weeping Willow makes a large lacy tree with long branches weeping to the ground. Good for planting near water or as a planting accent alone or in groups of two or three in moist locations. Ultimate height 40 feet.

CRIMSON KING MAPLE

3 to 5 ft. . . . 14.98 ea. 10 for 140.00

The leaves burst bright red in the spring and slowly darken to a deep, rich, maroon-red as summer progresses. The Crimson King adds an engaging accent in a cluster of other green tree foliage.

GOLDEN WEEPING WILLOW

4 to 5 ft. . . .1.98 ea 10 for 19.00

Beautiful graceful tree with long, drooping golden branches and light green leaves. Fast growing. Leafs out early in spring and holds leaves late into fall. Thrives in most any soil. Needs ample water.

NUT TREES 1 or 2 Years Old

EUROPEAN FILBERT (Hazel Nut.)
3 to 5 ft. . . . 3.98 ea. 10 for 39.00
Widely used to pollinate other varieties. Nuts are large and attractive. The Nut matures in late Sept.

AMERICAN BEECH
3 to 4 ft. . . . 2.49 ea. 10 for 22.50
Large tree with rounded crown of many long, spreading and horizontal branches, producing edible beechnuts. Height about 60-80 ft.

DESIRABLE PECAN (Paper Shell)
2 to 3 ft. . . . 9.95 ea. 10 for 95.00
One of the larger pecans, excellent cracker, bears early and is a very hardy producer. Has a thin shell. Disease resistant.

HALL'S HARDY ALMOND
Delicious Nuts
2 to 4 ft. . . . 4.98 ea. 10 for 47.50
Thrives wherever peaches are grown. Grows rapidly to 15-20 ft. Bears young.

CHINESE CHESTNUT
3 to 5 ft. . . . 3.98 ea. 10 for 39.00
New improved blight resistant. Chestnut grown successfully where native trees have died. Hardy, prolific bearing (plant 2 or more, pollination insures a big crop). Big sweet nuts compare to the good native varieties for size and quality. Beautiful year round, medium size trees bear young.

STUART PECANS—Paper Shell
2 to 3 ft. . . . 9.95 ea. 10 for 95.00
Stuart is one of the excellent southern-type pecans that will consistently yield big crops of very high quality nuts. The trees are fast growing and are excellent for shade even in northern states, and will also produce nuts as well. These are vigorous grafted trees that are sure to give good results.

BLACK WALNUT
3 to 5 ft. . . . 3.98 ea. 10 for 39.00
Tall, towering, sturdy, handsome trees. Valuable for timber, shade and tasty nuts.

AMERICAN FILBERT HAZEL NUT
3 to 5 ft. . . . 3.98 ea. 10 for 39.00
Quick bearing, dwarf growing. Easy to crack, large sweet kernels, shell out whole. Fine for shrub borders or hedges.

ENGLISH WALNUT
2 to 3 ft. . . . 8.98 ea. 10 for 85.00
Attractive broad-headed trees, excellent for shade. Grow fast, bear young. Large, thin-shelled, and easy to crack nuts.

SHELL BARK HICKORY
3 to 4 ft. . . . 5.98 ea. 10 for 57.50
One of the best nut trees, especially for northern states. Large white, 4-angled nuts, sweet kernel.

BUTTER NUT
3 to 4 ft. . . . 5.98 ea. 10 for 57.50
Big pecan-shaped nuts with rich, buttery flavor and tender white meat. Hardy, fast growing, high-yielding, superb shade tree.

HARDY PECAN SEEDLINGS—
1 to 2 ft. . . . 2.49 ea. 10 for 22.50
Beautiful, rapid growing, sturdy trees produced from seed of thin shelled, hardy varieties. Kernels are delicious but usually smaller than grafted pecans.

ELBERTA PEACH

3 to 5 ft. . . . 3.49 ea. 10 for 34.00

Still the most popular peach on the market, and universally planted. Yellow freestone of excellent quality, juicy, firm, but tender. Tree is hardy, productive and disease resistant.

DIXIE RED PEACH

3 to 5 ft. . . . 3.49 ea. 10 for 34.00

Outstanding early peach of finest quality. Deep red blush, sweet juicy flavor.

GOLDEN JUBILEE PEACH

3 to 5 ft. . . . 3.49 ea. 10 for 34.00

A very popular early yellow flesh peach, excellent for home garden plantings and local sales. Good size fruit of fine quality. A very important feature is its excellent winter hardiness which insures a fine crop each year.

HALE HAVEN PEACH

3 to 5 ft. . . . 3.49 ea. 10 for 34.00

Today's most planted, most popular and most dependable hi-yielding, hi-quality, hardy yellow freestone. Rapidly overtaking Elberta

CHAMPION PEACH

3 to 5 ft. . . . 3.49 ea. 10 for 34.00

Fine flavored, large blushed, freestone peach with a real sweet delicious white flesh, extremely hardy and productive.

RED HAVEN PEACH

3 to 5 ft. . . . 3.49 ea. 10 for 34.00

Extra large freestone, gorgeous all-over red. Sweet golden flesh. Wonderful for desserts and freezing. Ripens early. Good for home planting.

BELLE OF GEORGIA PEACH

3 to 5 ft. . . . 3.49 ea. 10 for 34.00

Very vigorous, hardy and productive. Leading white variety for commercial use. Fruit large, with bright attractive red almost covering the white background. Flesh white, highly flavored and very firm. Freestone.

J. H. HALE PEACH

3 to 5 ft. . . . 3.49 ea. 10 for 34.00

Excellent for home and commercial planting. Large yellow flesh, firm. Freestone.

LORING PEACH

3 to 5 ft. . . . 3.49 ea. 10 for 34.00

A large, firm, yellow fleshed, freestone peach. The fruit ripens in mid-August, bears heavily without cross-pollination. Excellent for canning and preserves.

STANDARD FRUIT TREES 1 or 2 Years Old

SANTA ROSA PLUM
3 to 5 ft. . . . 3.49 ea. 10 for 34.00
Medium to large fruit with firm yellow-veined flesh to dark red near skin. Rich, pleasing, tart flavor. Ripens early. Tree is vigorous, productive, self-fertile, but produces bigger crops when planted with another variety.

RED JUNE PLUM
3 to 5 ft. . . . 3.49 ea. 10 for 34.00
This large plum matures very early. The tree bears heavily. To avoid "June drop," the dropping of excess fruit, thin the fruits.

METHLEY PLUM
3 to 5 ft. . . . 3.49 ea. 10 for 34.00
One of the better varieties. Fruit is large in size, reddish purple in color with red flesh. Tree is vigorous grower and does well on most types of soil. Heavy annual bearer. Good shipper.

BURBANK PLUM
3 to 5 ft. . . . 3.49 ea. 10 for 34.00
Large, purplish-red plum with yellow delicious flesh. A very prolific variety. Excellent eating and commercial plum. Good shipper. Ripens late June.

STANLEY PRUNE PLUM
3 to 5 ft. . . . 3.49 ea. 10 for 34.00
This prune-plum is the most popular of all plums. Rich yellow flesh, firm, sweet and delicious, Freestone. Ripens early September. Plant two varieties for pollination.

DAMSON PLUM
3 to 5 ft. . . . 3.49 ea. 10 for 34.00
Very dark blue, and bears in August.

Dwarf add 2.00 extra per. NECTARINE

NECTARINE —Sure Crop or Garden State
3 to 5 ft. . . . 3.49 ea. 10 for 34.00
It resembles and grows like Peaches with the same luscious, sweet, juicy, mellow, golden flesh. The thin, smooth, plum-like skin is absolutely fuzzless.

Dwarf add 2.00 extra per. APRICOTS

APRICOTS —Moorpark or Early Golden
3 to 5 ft. . . . 2.98 ea. 10 for 29.00
The Moorpark Apricot is a large, yellow variety that is most widely planted. It bears in July and is of a Supreme Quality. The Early Golden Apricot is large and yellow, which is better suited for the Southwest. It bears in early July and is Freestone.

MOONGLOW PEAR
3 to 5 ft. . . . 3.98 ea. 10 for 39.00
Early ripening variety with sweet, mild, juicy flesh. Excellent for fresh use or canning. The tree is hardy, blight resistant, bears big crops.

DWARF PEACH TREES 1 or 2 Years Old

DWARF CHAMPION PEACH

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

Very vigorous, hardy and productive. Leading white variety for commercial use. Fruit large, with bright attractive red almost covering the white background. Flesh white, highly flavored and very firm. Freestone.

DWARF J. H. HALE PEACH

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

Known as the "Million Dollar Peach," J. H. Hale is an almost fuzzless fruit with thick, golden yellow flesh, tender and delicious. A perfect freestone. Trees bear young, reach a mature height of 16 to 18 feet. Fruit extra large, perfect for canning, freezing.

DWARF ELBERTA PEACH

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

These delicious, outstanding, large golden peaches are favorites for the home orchard. Fruit is freestone with firm, juicy flesh which ripens evenly. Elbertas have large fruits, ideal for canning, freezing and for desserts. Ripens in mid-summer.

DWARF GOLDEN JUBILEE PEACH

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

An early-producing yellow-fleshed freestone variety, an old favorite with gardeners for dessert, canning and freezing. Tender sweet fruit of highest quality. Resists excessive cold. Ripens in mid to late August in central and midwestern states.

DWARF BELLE OF GEORGIA PEACH

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

A favorite of all white peaches. Freestone white flesh, very firm, highly flavored. Excellent for eating. Trees are hardy, vigorous and productive. Fruit is large, ripens red over a creamy white background. Ready in late summer.

DWARF DIXIE RED PEACH

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

Outstanding early peach of finest quality. Deep red blush, sweet juicy flavor.

DWARF LORING PEACH

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

A yellow freestone peach with red and yellow skin. Excellent fresh or canned. Ripens in mid-late summer.

DWARF HALE HAVEN PEACH

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

This excellent large, uniform, dark red peach is a freestone variety. It ripens about two weeks ahead of Elberta. The flesh of the fruit is yellow. The tree is a vigorous, prolific, hardy, heavy bearer. Needs abundant moisture.

DWARF RED HAVEN PEACH

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

From beautiful pink blossoms in spring to red fruit in summer this freestone peach is an all-time favorite for the home garden. Strong-growing, prolific. Fruit is excellent for canning, freezing and fresh.

BLUECROP BLUEBERRY

1 ft. 2.49 ea.....10 for 24.00

The fruit is large, light blue, and rather tart, but stores well and is good for cooking. The berries stand cold well, which makes the plant good for the shortest growing season. The plant is upright and hardy.

GARDEN BLUE BLUEBERRY

1 ft. 2.49 ea.....10 for 24.00

The medium-sized fruit is firm and of good flavor. The plant is consistently productive, vigorous and upright, especially good for home gardens. Locally available. Plant two varieties for better pollination.

CLIMAX BLUEBERRY

1 ft. 2.49 ea.....10 for 24.00

Upright plant with large berries ripening early. Plant two varieties for better pollination.

TIFBLUE BLUEBERRY

1 ft. 2.49 ea.....10 for 24.00

Large, light blue berries with an excellent flavor. A vigorus, large shrub which prefers acid soil and full sun. Requires another variety for cross pollination.

SOUTHLAND BLUEBERRY

1 ft. 2.49 ea.....10 for 24.00

The firm, light blueberries have a waxy bloom, and may have tough skin late in the season.

EARLIBLUE BLUEBERRY

1 ft. 2.49 ea.....10 for 24.00

One of the best for all areas, this berry is large, light blue, and firm. The picking scar is small, so fruit keeps well and resists cracking. Plants are upright and comparatively hardy.

BERKELEY BLUEBERRY

1 ft. 2.49 ea.....10 for 24.00

This large, firm berry is pale blue and resists cracking. The bush is fairly upright and moderately hardy.

COVILLE BLUEBERRY

1 ft. 2.49 ea.....10 for 24.00

This is an inconsistent variety, with large, light blue fruit that remains tart until near harvest. The plant is medium hardy.

BLUEBERRY—PLANT 2 VARIETIES FOR BETTER POLLINATION

JERSEY BLUEBERRY

1 ft. 2.49 ea.....10 for 24.00

Light blue, mild flavored berries ripen midseason to late; are excellent fresh and for cooking. The bush makes a handsome hedge or shrub border. Needs acid soil, moderate moisture, good drainage. Plant 2 varieties for better pollination.

BLUERAY BLUEBERRY

1 ft. 2.49 ea.....10 for 24.00

The fruit is very large, firm and sweet. The plant is upright and spreading.

WOODARD BLUEBERRY

1 ft. 2.49 ea.....10 for 24.00

Ripening earlier than other varieties, Woodard produces large, light blue, firm berries, with a mild flavor.

RUBEL BLUEBERRY

1 ft. 2.49 ea.....10 for 24.00

Firm, tart and highly decorative berries ripen from early June through July; are excellent fresh and for cooking. The bush makes a handsome hedge or shrub border. Needs acid soil, moderate moisture, good drainage. Prune to produce large berries. Plant 2 varieties for better pollination.

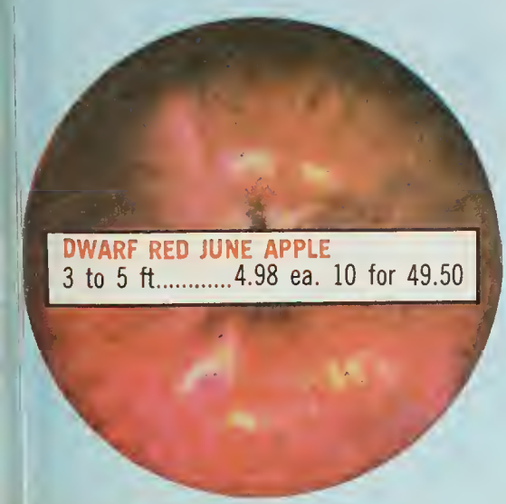
DWARF FRUIT TREES 2 or 3 Years Old

DWARF YELLOW DELICIOUS APPLE TREE
3 to 5 ft. 4.95 ea..... 10 for 49.50

DWARF MUTSU APPLE
3 to 5 ft.....4.98 ea. 10 for 49.50

DWARF ARKANSAS BLACK APPLE
3 to 5 ft.....4.98 ea. 10 for 49.50

No longer just a special feature of exclusive gardens, dwarf fruit trees are now available to all, and at reasonable prices. These wonderful space saving trees are produced by budding or grafting regular varieties on special dwarfing rootstocks. Even though the tree remains much smaller, the fruit is of full size and quality. One outstanding feature of dwarf trees is that they begin to bear fruit when only 2 or 3 years old. Just the thing for home gardens where space is so valuable. These trees usually reach 6 to 8 feet at maturity.



DWARF RED JUNE APPLE
3 to 5 ft.....4.98 ea. 10 for 49.50

MUTSU APPLE STANDARD TREES
3 to 5 ft.....3.49 ea. 10 for 34.50
This extra large descendent of Golden Delicious has its rich flavor but is larger, firmer and keeps much better.

'Arkansas Black' APPLE STANDARD TREES
3 to 5 ft.....3.49 ea. 10 for 34.50
Bears medium to below average sized fruit. Excellent for sauce, jam or jelly. Flesh is yellow and juicy.

YELLOW DELICIOUS APPLE STANDARD TREES
3 to 5 ft.....3.49 ea. 10 for 34.50
A big beautiful, golden apple that ripens late. Trees are very vigorous and bear quite young. Good for home and fresh market sales.

RED JUNE APPLE STANDARD TREES
3 to 5 ft.....3.49 ea. 10 for 34.50
Medium-sized deep red early apple. Delicious flavor. Fine for cooking or eating fresh. Heavy bearer.

30 Triple-L-Climbing Tomato seed
Catalogue Price . . . .$1.96 Per Pk.
On Sale at 10 Pks. for $7.50

This photo was taken July 2, 1985. This Triple-L-Climbing Tomato Plant is only ⅓ grown.

This tomato is an amazing variety. Will grow to 15 feet tall or more if trained on trellis. Fruits very large, up to 2 pounds, with smooth roundness, wonderful non-acid flavor. Plants have unusual vigor. Foliage differs from other tomatoes.

SOWING ... Sow seed ¼" deep indoors 8 weeks before last frost date or sow seed outdoors when danger of frost is past.
THINNING ... thin to 3" apart when 2" high. Space plants 4 to 5 feet apart if they are to be grown without support. Space plants 2 feet apart at base of posts or trellis. To achieve maximum height pinch off lateral branches as they appear and tie to trellis every 2 feet.

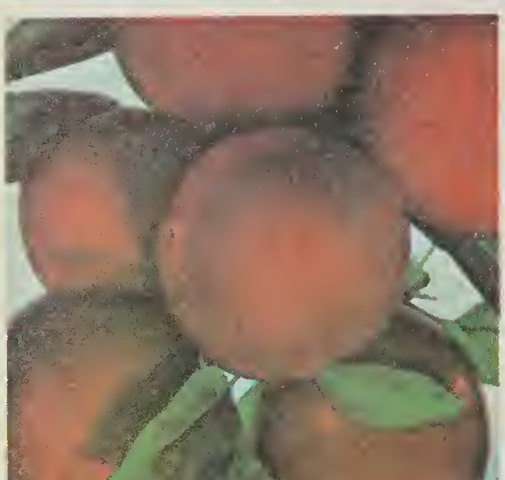
Don't miss this amazing offer
10 Pks. Triple-L-Climbing Tomato Seed for $7.50

We are offering you 14 varieties of dwarf apple trees. We also have the same 14 varieties in the standard apple trees.

GRANNY SMITH APPLE
We also have this in the standard apple.
3 to 5 ft.....3.49 ea. 10 for 34.00

DWARF GRANNY SMITH APPLE
3 to 5 ft. . . . 4.98 ea. 10 for 49.50
Granny Smith. One of the best keeping apples. A great cooking apple, has a delicious, pleasantly tart flavor. The skin remains a bright green when ripe.

DWARF FRUIT TREES 2 or 3 Years Old



DWARF METHLEY PLUM

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

One of the better varieties. Fruit is large in size, reddish purple in color with red flesh. Tree is vigorous grower and does well on most types of soil. Heavy annual bearer. Good shipper.

DWARF STANLEY PLUM

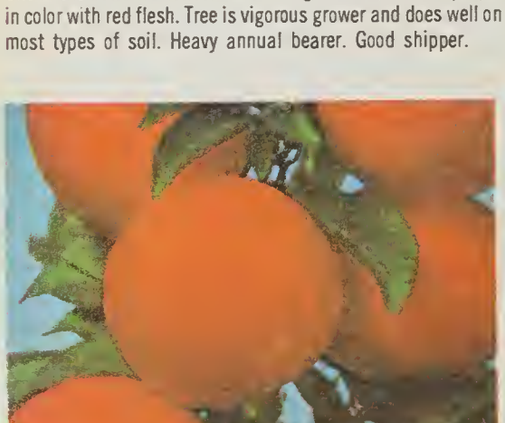
3 to 5 ft. . . . 4.98 ea. 10 for 49.50

Plums should be planted 20 ft. apart. Many are self-sterile and need other varieties for pollination to insure fruiting. Plums like moderate temperature and moisture with plenty of soil nitrogen. Hardiness varies with variety and region.

DWARF SANTA ROSA PLUM

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

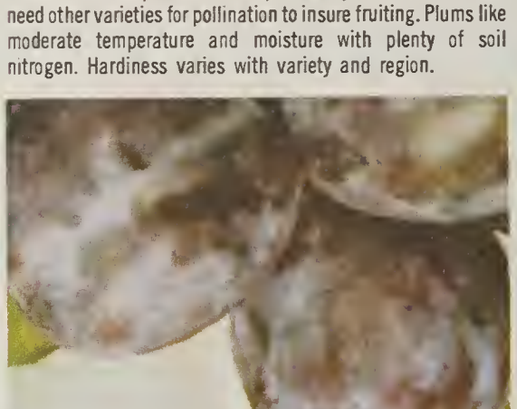
Large reddish-purple fruit, flesh tinged with red. Juicy, delicious flavor.



DWARF RED JUNE PLUM

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

This large plum matures very early. The tree bears heavily. To avoid "June drop," the dropping of excess fruit, thin the fruits.



DWARF BLUE DAMSON PLUM

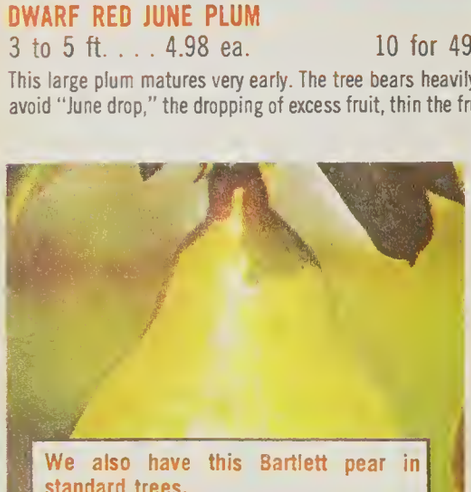
3 to 5 ft. . . . 4.98 ea. 10 for 49.50

Small blue-black fruit has very tart green flesh. Excellent for jam and jelly. Small, hardy, self-fertile tree.

DWARF BURBANK PLUM

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

Large, dark red fruit has amber yellow flesh of excellent flavor. Ripens mid-season. Medium sized, hardy, deciduous tree.

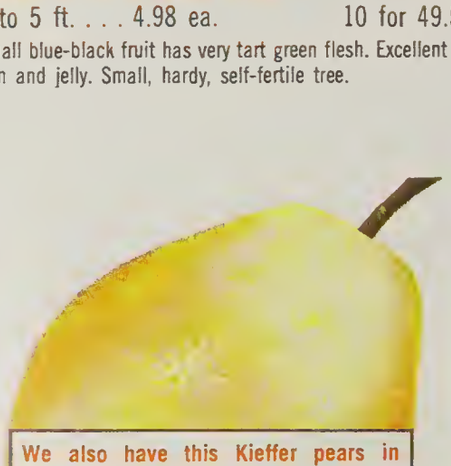


We also have this Bartlett pear in standard trees.
3 to 5 ft.....3.98 ea. 10 for 39.00

DWARF BARTLETT PEAR

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

A favorite eating pear. Ripens in early fall. The tree is adaptable, hardy, medium growing, and bears fruit at an early age. Plant in a sunny area.



We also have this Kieffer pears in standard trees.
3 to 5 ft.....3.98 ea. 10 for 39.00

DWARF KIEFFER PEAR

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

Medium size fruit with thick skin and yellowish-white, coarse flesh that is crisp and juicy. Tree is disease resistant; good variety for extreme climate with high tolerance to heat and cold.

DWARF MOONGLOW PEAR

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

Early ripening variety with sweet, mild, juicy flesh. Excellent for fresh use or canning. The tree is hardy, blight resistant, bears big crops.

DWARF APPLE TREES 1 or 2 Years Old

We also have these varieties of apples in standard trees. 3 to 5 ft.....3.49 ea. 10 for 34.00

DWARF JONATHAN APPLE

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

Solid bright red fruit with rich, tangy flavor. Crisp flesh, excellent for eating, for sauce and pies. Fruits early and yields a good crop yearly. Trees are hardy, need cross pollination with another variety for top production. Ripens in late fall.

DWARF GRIMES GOLDEN APPLE

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

The tree is hardy, grows upright and is quite disease resistant. Medium to large, bright yellow, flesh fine grained, juicy, with a very pleasing spicy flavor. Highly recommended and widely planted to pollinate self sterile varieties.

DWARF EARLY HARVEST APPLE

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

Our best selling, early, high yielding golden variety. Will grow fast and bear young. A cooking apple known to housewives everywhere.

DWARF LODI APPLE

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

The large golden fruit of this apple tree has a rich flavor. This crisp apple has many culinary and fresh uses. Spray with a blossom thinning spray for annual crop. Does best in full sun, and a well-drained loam.

DWARF MCINTOSH APPLE

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

Excellent quality apple fresh, baked or canned. Fruit is solid red, large, firm and crisp. Trees are hardy, bear large crops every year. Considered one of the best "winter" apples ripening in late summer and early fall. Crispness retained well in storage.

DWARF RED DELICIOUS APPLE

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

Large fruit of succulent flavor, crisp, fine-grained. Bright red color, excellent for eating. Regular annual bearer in fall. Tree is hardy in growth and bud. Needs full sun all day for best fruit production.

WARF WINESAP APPLE

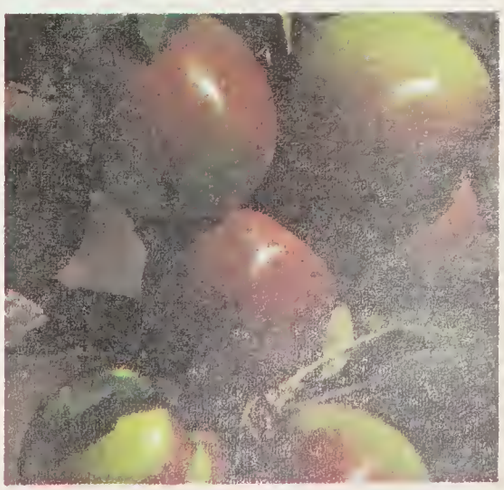
to 5 ft. . . . 4.98 ea. 10 for 49.50

nesap is a heavy producer of bright red round fruit. The crisp t flesh makes it a popular long winter keeper. Tree is apted to wide range of soils and climate. Fruit has delicious t wine-like flavor, fine for baking.

DWARF TRANSPARENT APPLE

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

Transparent to golden yellow in color, these fruits are superb for sauce and puree. Trees tend to bear heavily. Fruit size will be improved by early thinning. Vigorous hardy growth. Ripens in early July, 2 to 3 weeks ahead of other varieties.



DWARF ROME BEAUTY APPLE

3 to 5 ft. . . . 4.98 ea. 10 for 49.50

Attractive brilliant red apples are ideal for cooking or baking. A very productive fall ripening variety. Attractive in the landscape with pink-white flowers in spring.

SEMI DWARF APPLES

SEMI DWARF GOLDEN DELICIOUS APPLE

3 to 5 ft. . . . 3.98 ea. 10 for 39.00

A big beautiful, golden apple that ripens late. Trees are very vigorous and bear quite young. Good for home and fresh market sales.

SEMI DWARF GRIMES GOLDEN APPLE

3 to 5 ft. . . . 3.98 ea. 10 for 39.00

The tree is hardy, grows upright and is quite disease resistant. Medium to large, bright yellow, flesh fine grained, juicy, with a very pleasing spicy flavor. Highly recommended and widely planted to pollinate self sterile varieties.

SEMI DWARF LODI APPLE

3 to 5 ft. . . . 3.98 ea. 10 for 39.00

The favorite early yellow apple. The same fine flavor as the early harvest, but much larger and firmer. Unsurpassed for cooking.

SEMI DWARF RED DELICIOUS APPLE

3 to 5 ft. . . . 3.98 ea. 10 for 39.00

One of America's favorite apples. Ripens in fall. Dark red color, firm flesh.

SEMI DWARF STAYMAN WINESAP APPLE

3 to 5 ft. . . . 3.98 ea. 10 for 39.00

The most popular long keeping winter apple. An improved red strain with better color, large size and better keeping qualities.

SEMI DWARF JONATHAN APPLE

3 to 5 ft. . . . 3.98 ea. 10 for 39.00

A deep red Apple highest quality with a delicious crisp tender flesh. Fine for cooking and freezing.

We offer you eight of the most popular varieties, of Semi-Dwarf apples. They are the most productive tree, grows 12 to 15 feet tall. Gives you more fruit per limb, more fruit per tree.

SEMI DWARF RED ROME BEAUTY APPLE

3 to 5 ft. . . 3.98 ea. 10 for 39.00

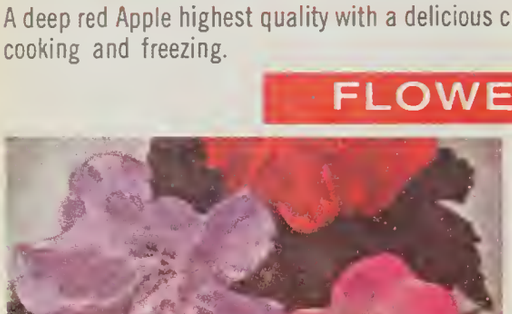
Large uniform size. Crisp, juicy, aromatic with white flesh. One of the longest keepers of all apples.

SEMI DWARF GOLDEN NUGGETT APPLE

3 to 5 ft. . . . 3.98 ea. 10 for 39.00

Fruits are similar in every way to Yellow Delicious. They are hardy, very productive, and easy to manage. Pollen is good and they may be interplanted with Red Delicious for pollinating purposes. Fruit ripens in Late September.

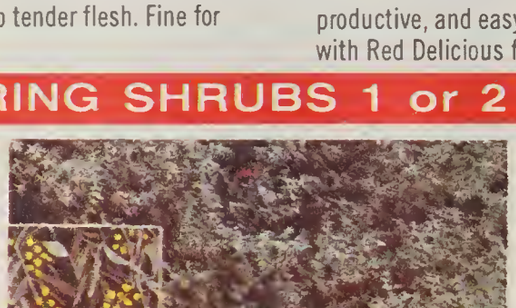
FLOWERING SHRUBS 1 or 2 Years Old



ROSE OF SHARON—Mixed Colors

1 to 2 ft. . . . .69 ea. 10 for 6.00

Covered with single rosette-like blossoms in August and September when few other shrubs are in bloom. Fine for specimens, hedges or background in the shrub border. Ultimate height 8 to 10 feet.



AUTUMN OLIVE

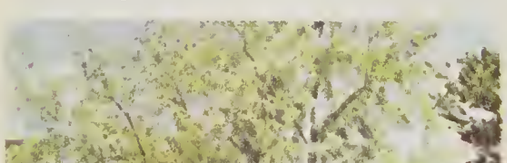
1 to 2 ft. . . . .69 ea. 10 for 6.00

Good windbreak plant and wildlife cover, providing wildlife food in the fruit. Grows to 12 ft. high. Has a silvery foliage when young and covered with silvery berries which finally turn red in fall.

ALTHEA—Red

1 to 2 ft. . . . .99 ea. 10 for $9.50

Covered with double rossette-like blossoms in August and September when few other shrubs are in bloom. Fine for specimens, hedges, or background in the shrub border. Ultimate height 8 to 10 feet.



RUSSIAN OLIVE

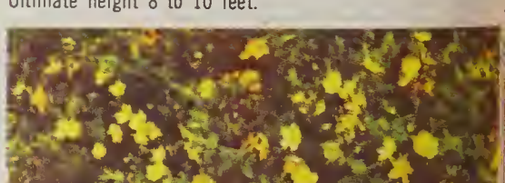
1 to 2 ft. . . . .69 ea. 10 for 6.00

Gay foliage covered with silvery dust. Large ornamental shrubs. Orange berries in autumn. Ultimate height 20 feet.

HYDRANGEA P.G.

1 to 2 ft. . . . 1.29 ea. 10 for 12.50

Mammoth flowers in August when few other shrubs are in bloom. The pinkish white flowers gradually deepen to a reddish bronze. The dried flowers are often used as winter bouquets. Fine for hedges, borders, groups, or as single specimens. Very hardy. Ultimate height if not pruned 5 to 6 feet.



HYPERCIUM—Yellow, Collected

1 to 2 ft. . . . 99¢ ea. 10 for 9.50

A brilliant mound of gold all summer. Dazzling golden flowers 2 to 3 inches in diameter on a low growing shrub of glossy green foliage. Fine for foundation planting 3 to 4 ft. tall.

BLACKBERRY (Thornless)
½ to 1 ft. . . . 1.79 ea. 10 for 17.50
Mouth-watering giant berries, over an half inch long, ripen over long period on dependable, sub zero hardy bushes.

OZARK BEAUTY STRAWBERRY 25 for 2.98
Juicy red berries are produced throughout the Summer until frost. Delicious for fresh eating, as well as freezing.

RED EVERBEARING RASPBERRY
½ to 1 ft. 99c ea 10 for 9.50; 20—18.50
The Red Everbearing Raspberry is an everbearing type that produces a large crop in June and yet another fine crop in September. The fall crop is considerably earlier than that of other everbearing raspberries so it is especially desirable. The berries are unusually large and have a delicious flavor. You will surely want some of this wonderful variety in your garden.

5 STRAWBERRY
akemore or Tennessee Beauty 2.98
r many years the excellent processing qualities of Blakemore ve made it one of the most important of all strawberry rieties. Its berries are very firm and have an outstanding ght red color. Tennessee Beauty is recommended as a mmercial variety in south central and eastern states, where firmness is a definite advantage. Plants are vigorous and ike lots of runners. The berries are of medium size and have a ght, deep red color.

NRISE STRAWBERRY 25 for 2.98
bright red berry ripens in late May and are vigorous and ease resistant.

BOSEN BERRY
½ to 1 ft. . . . 1.49 ea. 10 for 14.50
Largest thornless berry ever developed. Extra fancy beautiful superb quality fruits often 1½ inches long. Excellent for eating, canning, freezing juices, etc.

DEWBERRY
½ to 1 ft 99c ea 10 for 9.50
Most desirable and profitable early berry. Larger than blackberries, first to ripen. Big, glossy, black fruit brings high market prices.

GEM EVERBEARING STRAWBERRY 2.98
is so much like Superfection that we consider it to be the e variety. But call it what you want it is still the most ndable everbearer in the northeast.

BLACK RASPBERRY
½ to 1 ft. . . . 99¢ ea. 10 for 9.50
The Black Raspberry is an excellent early raspberry that produces big crops of delicious, high quality berries. Very hardy and vigorous. It is the best commercial variety in Ohio and other states.

GOOSEBERRY
2 yr.-1 ft. . . . 1.98 ea. 10 for 19.00
The berries hang on slender stems below branches, easy to pick. Fruit deep pink when fully ripe.

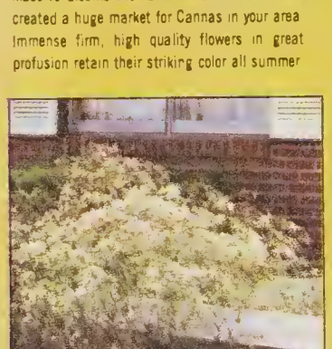
PERENNIALS 1 or 2 Years Old

6 CANNAS—Red 4.50
Massive blooms with a minimum of care have created a huge market for Cannas in your area Immense firm, high quality flowers in great profusion retain their striking color all summer

6 CANNAS—Pink 4.50
Massive blooms with a minimum of care have created a huge market for Cannas in your area. Immense firm, high quality flowers in great profusion retain their striking color all summer.

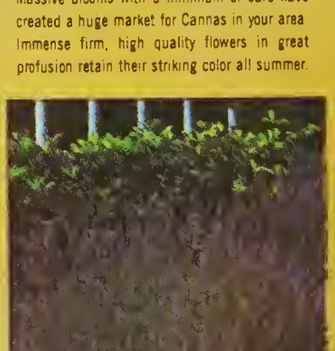
6 CANNAS—Yellow 4.50
Massive blooms with a minimum of care have created a huge market for Cannas in your area Immense firm, high quality flowers in great profusion retain their striking color all summer.

6 HIBISCUS—Mallow Marvel 3.50
Mixed colors. They grow from 5 to 8 feet with great many blooms Die back in fall, shoot new sprouts up in spring Bloom in July.

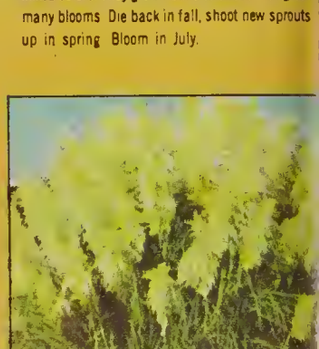


6 BABYBREATH—White 3.50
An excellent cut flower, during the month of July, especially when combined with bouquets or decorations with other flowers which do not have much foliage.

6 YUCCA CANDLE OF HEAVEN
.....3.50
Makes a spectacular display with towering spikes of bell-shaped creamy white flowers 3 feet tall in July and August. Plant in sunny location.

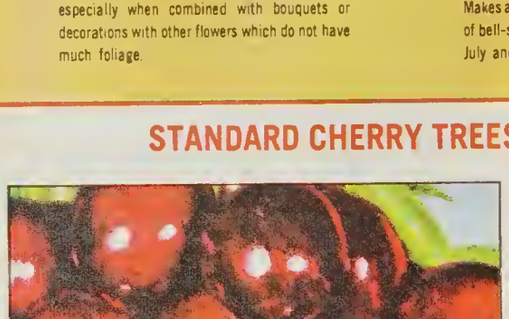


6 LAVENDOLA (Sweet Lavender)
4.50
Grows 20 inches tall. Partial shade or full sun, 2 feet across, long spikes of blue lavender flowers, from June till September.

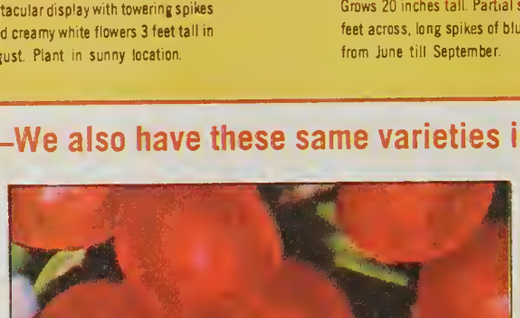


4 PAMPAS GRASS-White Plumes
4.50
One of the most graceful and showy of all ornamental tall growing grasses. Giant, silken plumes 8-10 inches long adorn the plant in summer.

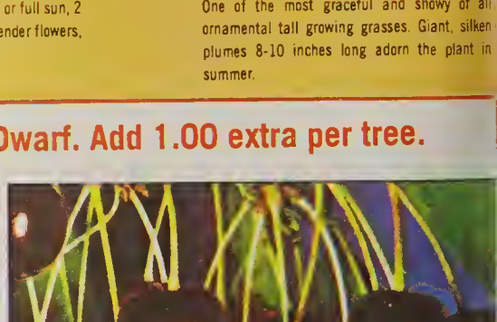
STANDARD CHERRY TREES—We also have these same varieties in Dwarf. Add 1.00 extra per tree.



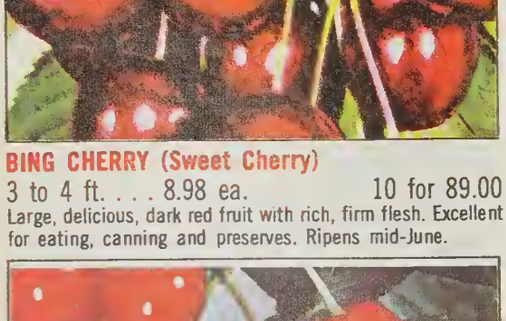
BING CHERRY (Sweet Cherry)
3 to 4 ft. . . . 8.98 ea. 10 for 89.00
Large, delicious, dark red fruit with rich, firm flesh. Excellent for eating, canning and preserves. Ripens mid-June.



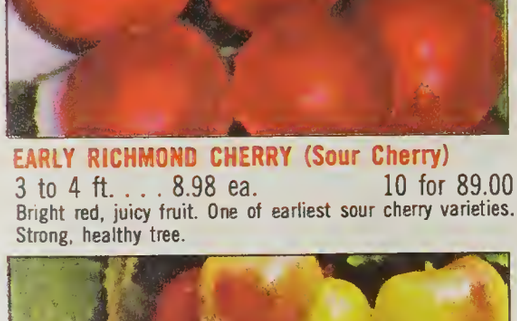
EARLY RICHMOND CHERRY (Sour Cherry)
3 to 4 ft. . . . 8.98 ea. 10 for 89.00
Bright red, juicy fruit. One of earliest sour cherry varieties. Strong, healthy tree.



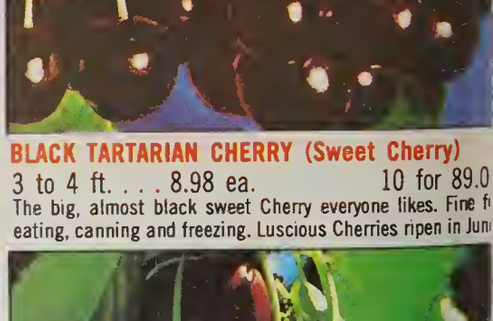
BLACK TARTARIAN CHERRY (Sweet Cherry)
3 to 4 ft. . . . 8.98 ea. 10 for 89.0
The big, almost black sweet Cherry everyone likes. Fine f
eating, canning and freezing. Luscious Cherries ripen in Jun



MONTMORENCY CHERRY (Sour Cherry)
3 to 4 ft. . . . 8.98 ea. 10 for 89.00
Universally recognized the best sour Cherry for eating fresh, canning, baking and preserving. Bears large fruit very young. America's favorite hi-yielding cherry



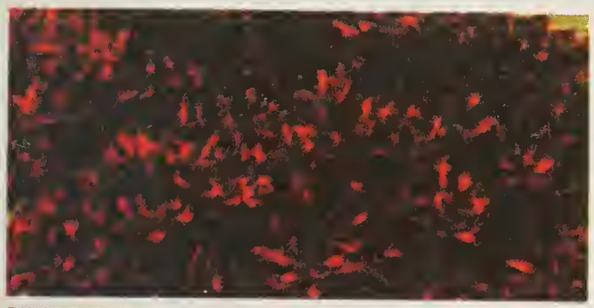
GOVERNOR WOOD CHERRY
3 to 4 ft. . . . 8.98 ea. 10 for 89.00
Small to medium sized fruit with very good, sweet, juicy flesh. Good table variety. Ripens early. The tree is hardy.



LAMBERT CHERRY
3 to 4 ft. . . . 8.98 ea. 10 for 89.0
This large dark Cherry is similar to Bing, but ripens late

HEDGE PLANTS

SOUTH PRIVET HEDGE
1 to 2 ft. . . . 25 for 4.98 ea. 100 for 19.00
True evergreen with small dense foliage. Stays green the year round. Beautiful winter and summer. Plant 1 feet apart.



DWARF PIGMY BARBERRY
½ to 1 ft. . . . .1.79 ea. 10 for 17.50
Miniature of the red barberry. Old leaves are bronze blood-red—new growth tips are shades lighter and sparkle in the sun. Fine showing as an edging to walks, in front of shrub planting, or in front of house.

FLOWERING TREE

CISTENA DWARF PURPLE LEAF PLUM
2½ to 4 ft. . . . 3.98 ea. 10 for 39.00
Dainty, many branched. Shrub has pale pink blooms in early spring and rich purple foliage through the season. Grows 6 to 8 ft. tall. Deciduous. This beautiful tree or shrub branches from the ground, and is often used for hedges.

SEEDLESS GRAPES

SEEDLESS CONCORD GRAPE
1 ft. . . . 5.98 ea. 10 for 59.00
The old-time favorite in blue black grapes. Sweet, juicy, flavorful, excellent for juice or jelly. The vine is highly productive.

GLENORA SEEDLESS GRAPE
½ to 1 ft. . . . 5.98 ea. 10 for 59.00
The Blue black grape has heavy, well filled clusters ripen in early Sept.

STANDARD FRUIT TREES

We have a large number of three of the most popular varieties of apples and peaches. These are in 2 to 3 ft. size. We are offering them to you at a bargain price. But we can't afford to sell less than six peaches or apples at these prices. You can order the six varieties any way you wish; you can order part apple and part peaches. Just as long as you order six trees.

6 Trees—Apples or Peaches—2 to 3 ft. for only 14.00
12 Trees—Apples or Peaches—2 to 3 ft. for only 25.00
100 trees—Apples or Peaches—2 to 3 ft. for only 200.00

We also have the same three varieties of peaches in 1 to 2 ft. 6 for 7.50

RED JONATHAN APPLE

A deep red Apple of highest quality with a delicious crisp tender flesh. Fine for cooking and freezing.

RED DELICIOUS APPLE

One of America's favorite apples. Ripens in fall. Dark red color, firm flesh.

YELLOW DELICIOUS APPLE

A big beautiful, golden apple that ripens late. Trees are very vigorous and bear quite young. Good for home and fresh market sales.

STAYMAN WINESAP APPLE

The most popular long keeping winter apple. An improved red strain with better color, large size and better keeping qualities

BELLE OF GEORGIA PEACH

Very vigorous, hardy and productive. Leading white variety for commercial use. Fruit large, with bright attractive red almost covering the white background. Flesh white, highly flavored and very firm. Freestone.

ELBERTA PEACH

Still the most popular peach on the market, and universally planted. Yellow freestone of excellent quality, juicy, firm, but tender. Tree is hardy, productive and disease resistant.

RED HAVEN PEACH

Extra large freestone, gorgeous all-over red. Sweet golden flesh. Wonderful for desserts and freezing. Ripens early. Good for home planting.

HALE HAVEN PEACH

Today's most planted, most popular and most dependable hi-yielding, hi-quality, hardy yellow freestone. Rapidly overtaking Elberta.

VINES 1 or 2 Years Old

TRUMPET CREEPER

½ to 1 ft. . . . 99c ea. 10 for 9.50

An old favorite that will stand most severe climatic conditions. Clings to any rough surface. Long, trumpet-shaped, brilliant orange-red blossoms.

BITTERSWEET

l ft. . . . 1.49 ea. 10 for 14.00

Hardy vine with red berries and orange husks that can be cut and hung in the home. A favorite winter decoration.

GOLD FLAME HONEYSUCKLE

1 ft. . . . 1.98 ea. 10 for 19.00

Orange-red blooms of large size and beautiful blue-gray-green foliage. The most brilliantly colored of all the honeysuckles Hardy anywhere and blooms from spring till frost.

YELLOW JASMINE 10 for 14.50

½ to 1 ft. . . . 1.49 ea.

Unbelievable fragrance comes from the great mass of yellow trumpet shaped flowers that cover the evergreen vine each Spring, about Crab-Apple blooming time.

WISTERIA

½ to 1 ft. . . . 1.98 ea.

10 for 19.00

Very popular woody vine which grows to immense proportions when not controlled Long clusters of lilac colored flowers are noted both for beauty and fragrance.

EUONYMUS COLORATUS

½ to 1 ft. . . . .49 ea. 10 for 4.50

Rapid growing, low, creeping plants withstand sun or shade Lustrous evergreen foliage turns purple in winter Fine for covering banks

CLEMATIS VINE—Collected—White

Roots 3.98 ea. 10 for 39.00

This family of plants is noted for its rapid, slender growth, delicate foliage and profusion of blooms through the summer. They do best in rich soil, where they can have plenty of sun. Very decorative for trellises. They are covered with white flowers.

HALLS HONEYSUCKLE

1 ft. . . . 99¢ ea. 10 for 9.50

A fragrant continuous blooming vine to cover fences and trellises. An excellent root system for holding steep banks and a general ground cover. Ultimate height 20 feet.

GROUND COVERS 1 or 2 Years Old

ROWNVETCH..... 10 for 4.50

pular perennial ground cover that beautifies blem slopes and banks. Needs no maintenance or mowing. Thrives in any climate, in sun semi-shade. Winter hardy, it provides ective erosion control, actually improves soil.

SEDIUM, DRAGON'S BLOOD 10 for 4.50

Sedium makes a good ground cover and they are often used in naturalized situations. They have the characteristic of setting on or affixing themselves to rocks and walls. Give sedium a well drained sandy soil that is well supplied with humus or rolled leaf mold.

VINCA MINOR

100 for 8.00 1000, for 75.00

An old fashioned popular vine for ground covering growing well in the shade, useful also for porch and window boxes. The flowers are light blue color. The green leaves stay on all winter, will grow under almost any condition.

ENGLISH IVY

4 to 12-inch

10 for 4.50 100 for 42.50

The English Ivy is an Evergreen Ivy. Excellent covering for stone, concrete or brick structure. Luxuriant dark green foliage is very glossy. It thrives in dense shade. Good ground cover.

EVERGREENS 1 or 2 Years Old

CAMELIA SASANQUA
½ to 1 ft. ..... 1.29 ea.
10 for 12.00

The Camelia is a beautiful waxy flower. The blossom is borne on an evergreen tree or shrub, which is closely related to the tea plant.

ABELIA GRANDIFLORA
½ to 1 ft. . . . 1.29 ea. 10 for 12.00

A desirable medium growing semi-evergreen shrub for foundation planting, filling corners, curves, or can be used as a hedge. The small glossy leaves remain on most of the winter. Small, dainty, blush-pink blossoms are borne on rather arching branches from May until frost.

NANDINA
½ to 1 ft. ..... 1.29 ea.
10 for 12.00

A very showy plant with its small, dainty, light green summer foliage, turning to a bronzy-red in winter. The gorgeous lead coloring makes a beautiful background for large clusters of bright red berries that are retained throughout the winter.

RHODODENDRON—Collected
½ to 1 ft. . . . . 1.29 ea.
10 for 12.00

Rhododendrons are busy evergreen shrubs with glossy leather-like foliage. Grows best in partial shade. Use plenty of peat moss when planting Rhododendrons.

AMERICAN HOLLY—Collected
½ to 1 ft. . . .99 ea. 10 for 9.00

Adapted to wide range of soil and climate. Will grow into trees 25 feet or more in height but often kept sheared to small specimens. White flowers in early spring. Red berries on the berry-bearing plants serve as decoration throughout winter. A wonder specimen plant. Female plant produces bright red berries if planted near a male Holly.

EUONYMUS MANHATTAN
½ to 1 ft. . . . . .99 ea.
10 for 9.00

A handsome foundation plant or hedge. Upright growing medium size evergreen shrub with very glossy dark green serrated leaves.

ANDORRA JUNIPER
½ to 1 ft. ..... .98 ea.
10 for 9.00

Grayish green foliage in summer, turning to a lavender-orchid color in the late fall, which prevails throughout the winter. Is dwarfish in growth, clinging snugly to the ground. Ultimate height 2 feet.

CANADIAN HEMLOCK—Collected
½ to 1 ft. . . . .49 ea. 10 for 5.00
100 for 45.00

Young or old, the Hemlock is always a picture of gracefulness. Foliage dark green, lacy, close-set, drooping gracefully. The best large evergreen in heavy shade. Makes a beautiful hedge.

MUGHO PINE
4 to 6 in. ..... .99 ea.
10 for 9.50

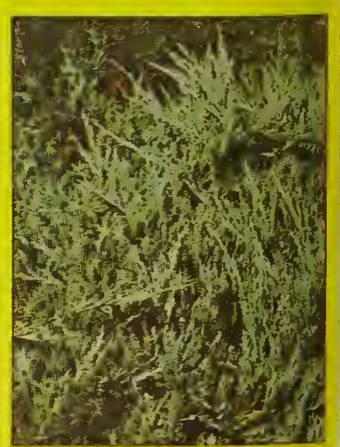
An ornamental that grows into a low, round ball about 6 feet tall. Dark green needles are about 2 inches long and grows in pairs. Slow growing, thrives even in poor soils.

WHITE SPRUCE
½ to 1 ft. ..... 99¢ ea.
10 for 9.50

Has short blue-green needles completely around the twig. Resembles colorado spruce. A favorite for ornamentals. Christmas trees and windbreaks.

BLUE RUG
4 to 6 in. . . . . 1.79 ea.
10 for 17.50

Low trailing juniper with intense silver blue foliage. May reach 6 inches in height. Useful in rock gardens, planters and bank planting.



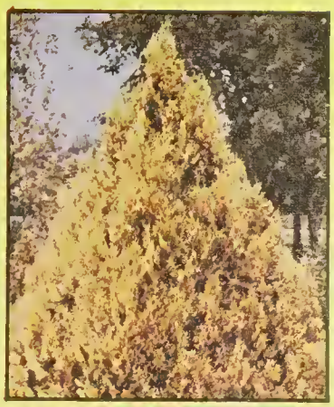
PFITZER JUNIPER
½ to 1 ft. ..... 1.29 ea.
10 for 12.00

Informal spreading evergreen plant with beautiful plume-like branches. Will stand considerable shade. Useful in foundation planting or rock garden work. Ultimate height 2½ feet.

EVERGREENS

GARDENIA—WHITE BLOSSOMS
½ to 1 ft. . . . .99 ea. 10 for 9.50
The Gardenia is a fragrant, waxy, white or lemon-colored flower. The tree or shrub on which it grows is a native of the tropics.

GLOBE ARBORVITAE
½ to 1 ft. . . . .98 ea. 10 for 9.00
The nearest in form to a perfect globe of any evergreen and therefore very pretty and useful. Dark green, dense and dwarf. Bronze winter color.



BERKMAN'S ARBORVITAE
½ to 1 ft. . . . 1.29 ea. 10 for 12.50
Can be sheared to any desired shape or height. Mainly used for lawn groups

BAKER ARBORVITAE
½ to 1 ft. . . . 1.29 ea. 10 for 12.50
A striking, attractive evergreen that retains its shape without shearing. Compact, pyramidal form and dark green foliage.

FOSTER HOLLY
½ to 1 ft. . . . 1.29 ea. 10 for 12.50
Prolific berry producer. Narrow, dark green leaves. Very hardy. Rapid grower.

JAPANESE YEW—Taxus Spreading
½ to 1 ft. . . . 1.29 10 for 12.00
Dark green foliage at all seasons of the year. Grows broader than tall.

MOUNTAIN LAUREL—Collected
½ to 1 ft. . . . .99 ea. 10 for 9.00
A very handsome spreading broadleaf. Leaves are dark, glossy green. A very useful landscape plant.

DWARF BURFOROI HOLLY
½ to 1 ft. . . . 1.29 10 for 12.00
Very slow growing, compact, miniature form. Spring bloom is followed by red berries.

BURFOROI HOLLY
½ to 1 ft. . . . 1.29 10 for 12.00
It carries the beautiful foliage the year round, with a plentiful supply of big bright red berries in winter.

BOXWOOD
½ to 1 ft. . . . 1.29 10 for 12.50
An excellent plant to line driveways or borders. It's small dark green leaves create dense foliage.

SCOTCH PINE
½ to 1 ft. . . . .99 ea. 10 for 9.50
A favorite with Christmas tree and ornamental growers. Has short blue-green needles, medium growing specie.

AUSTRIAN PINE
½ to 1 ft. . . . .99 ea. 10 for 9.50
Very beautiful, dark green, long-needled pine. Relatively slow-growing. Compact.

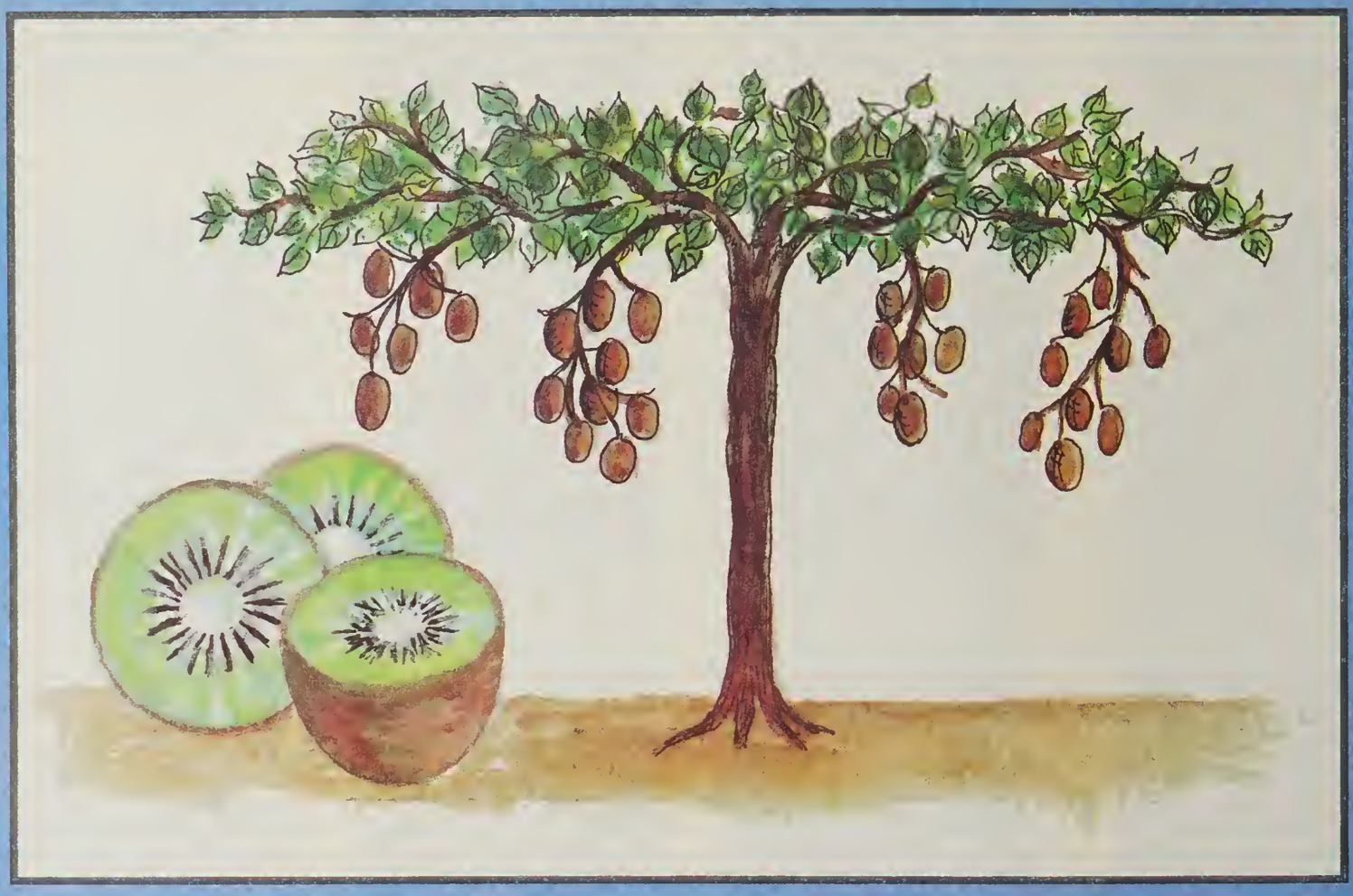
WHITE PINE ½ to 1 ft.
10 for 6.00 100 for 55.00
Has soft blue-green needles in a cluster ideal for screen or windbreak.

COLORADO BLUE SPRUCE
½ to 1 ft. . . . .99 ea. 10 for 9.50
Rated the most popular and valuable evergreen. Impressive color and perfect pyramidal shape adds beauty and value to any property.

RED CEDAR
½ to 1 ft. . . . .98 ea. 10 for 9.00
Widely planted for its own beauty as an evergreen. Also considered an ideal understock for grafting various types of Junipers which do not grow readily from cuttings.

NORWAY SPRUCE
½ to 1 ft. . . . .99 ea. 10 for 9.50
One of the best known and one of the hardiest of all spruce. Conical in habit with dark green foliage. Does well in rather sterile soil and withstands the blast in cold exposed locations.

NEW ARCTIC KIWI



ARCTIC KIWI–6 to 9 inch-1 Male vine 5.98 ea. 1 Female vine 5.98 ea. This is what we call our trio deal, it includes 3 vines 1 male and 2 female for 16.95. Arctic Kiwi does well any where in the country. It is also the most popular fruit in the United States. It has twenty time more Vitamin C than any other citrus fruit. Growing instructions for Arctic Kiwi-Hardy Arctic Kiwi plants are grape like vines that can be grown on a trellis, wire, fence or arbor. Plants require full sun and good drainage. Irrigation is needed during their active growing season. They have redish yellow flowers and smell good. Prune vines only two laterals. One female vine will produce up to 200 lbs. of fruit after three years. One male plant may be planted with as many as six or eight females. This trio pack of Kiwis includes 2 females and one male vine to insure adequate pollination.

KONSA DOGWOOD

2 to 4 ft. . . . 9.98 ea. 10 for 75.00

Kousa Dogwood, spreading small decidious tree. Matures to 15 to 25 high, spreads to 12 to 20 ft. Flowers in late spring and early summer after leaves have expanded. Flat sprays of 3 to 5 inch blossoms alone tops of branches: white or tinged pink. Flowers followed by dark red strawberry like berries. Fall color of reddish brown.

This is how Konsa Dogwood looks in fall.

PLANTING INSTRUCTIONS

HOW TO HANDLE UPON ARRIVAL

Take care of your nursery stock immediately upon its arrival. Thaw out gradually in its packing if it arrives frozen, If dried out in transit, soak the entire plant in water for a few hours or bury it in wat soil. If possible, plant at once when shipmant is received. If the weather is too cold for planting, put the box or bundle in a cool but frostproof place. It is best to unpeck the matarial, sprinkle tops and all with water, cover tha roots with damp packing and cover with sacks or canvas. If tha weather is warm and you are not ready to plant, heel the stock in.

HEELING-IN TREES AMD SHRUBS

TEMPORARY PLANTING: Heel-in your trees in a place where thay will have protection from tha sun and wind, and their developmant will be retarded. All pecking material and grass that might habor mica should be removed. Spread out roots and fill in with pulverized earth rather firmly over them. Keep earth moist.

HOW TO PLANT TREES AND SHRUBS (Bare-Rooted)

1. Dig hole 1½ times depth of root mass and about twice width of plant. Partly fill hole with soil.
2. Remove all packaging meterials from around the roots, and cut off broken or damaged roots.
3. Place shrub or tree in hole so that crown or graft is at ground level.
4. Fill hole to ground leval, working soil in carefully around roots and packing it down.
5. Sink hosa nozzla into root zona and water until surface is flooded.
6. After watar sattlas away, add soil to ground laval and form soil dam around perimatar of araa.
7. Mulch area with organic matarial.

GROUND COVERS & HEDGES

Ground Covers: Soil raquiraments for ground covers vary. Plant shallow-rooted types in aasily crumblad soil so that thay will ba lass susceptibla to wintar freazing, thawing, and othar root stressas.

Small ground cover plants, including most parennials and low shrubs, should be spaced from 6 to 12 inchas apart dapending on specias and siza of plants.

Larga, woody plants, such as boxwood, bittarswaat, and needled avargreens, should ba planted much farthar apart. Howavar, if ground covar plants are placed too far apart, tha ground betwaan may eroda or fill with weeds before plants grow togathar.

Hedges: Hedgas that drop thair leavas can ba planted in spring or fall. Sat hadga plants a littla lower than thay wara in nursary to gat a densa hadga at bottom.

Set all small plants, excapt avergreans a foot apart. The smallast hedges, such as privat, may ba sat closer. Larga plants are set farther apart, aither in a tranch or in individual holas.

To be assurad of a straight hedga, stratch a string between two stakes over the proposed planting area, or dig ona sida of trench straight and in lina and place plants against straight side. Visually lina up any plants that ara not symmetrically balancad.

All hedges, excapt evargreens, should be savarely cut back at planting to encouraga bushing from tha base and to reduca excessiva loss of watar whila plants are astablishig root systams.

HOW TO PLANT STRAWBERRIES

Hill System: 12 to 18 inches apart in rows 2 to 3 feet apart. Kaap all runners nipped off.

Matted Row: Rows 4 to 5 faat apart, plants sat 24 ins. apart in row. Allow runnars to fill to 24 inches wida.

Plow or spade land deaply befora planting. Plant by pushing spada into ground to its full dapth in spot whare plant is to be. Press it to one sida, insert roots and spraad them out in fan shape and hanging down to thair full length. Set plants with crown at surface or a littla below it.

BUSH FRUITS

Gooseberries: Sat 2 or 3 inchas deaper than in nursary. Cut off half the tops. Plant 4 or 5 faet apart. Most gooseberry pests can be controlled by dusting or spraying with Rotenona. Always cut out infasted canas.

Boysenberries & Dewberries: Bacausa of its woody, wandaring stam, the boysanberry or dewberry usually needs tha support of a fance or trallis. Set sturdy posts fully fiva faat tall, and string two wires betwaan tham, one at a three-foot, the othar at a five-foot laval. Canes which hava borna fruit are cut down immediataly aftar the harvest. Canas grow eight to tan feet high.

Tha root area of the boysenberry or dawberry should be haavily mulched before winter sets in. Unlike other brambles, the canas should be laid on tha ground and covared with a light layer of straw before thare is any probebility of snow flying. In spite of their apparent strength they are sensitive bushes.

Red & Black Raspberries and Blackberries: Plant in good gerden soil 3 to 5 feet apart in rows 6 feet apart. Set Red Respberry plants 1 to 2 inches deeper than thay were in the nursery and Black Raspberries 1 inch deeper. Firm soil over roots and water. Cut back all plants to about 6 inches in height. Don't let eny fruit set first year. Allow new shoots to meke rows 6 to 8 inches wide.

After fruiting each year, cut out old canes and burn, leaving e few vigorous new ones to grow for fruiting the following yeer. These fruiting canes should be cut back to ebout 2½' earlyin the spring to encourage fruiting laterals. Mulching always pays. In the spring, spray raspberries end blackberries just before the buds open, with lime sulphur or Bordeeux Misture.

Blueberries: Blueberries require an acid soil containing an abundance of organic material. They naed a good supply of soil moisture, with good drainage. Most good gardaners will mulch their plants rather than cultivate them, since the plant are shallow rooted and do not tolerate close working.

Good blueberry soil can be created by use of quantities of compost or other organic meterial, worked into the surface of the soil. Use eluminum sulphate to bring the pH level down to an optimum 5 to 6 range.

Blueberrias need pollination, and at least two varietias should be planted.

HOW TO PLANT PERENNIALS

Tha soil should ba wall worked in spacially praparad beds 2' to 2½' deap with good drainaga. Plant food and planty of humus ara nacessary ingradients for successful perannial flowar growing. Most parennials raspond best if plantad in a sunny location.

The averaga planting distanca for perannials is 1' apart.

No. 1 plants such as Iris should be planted with tha roots balow the surface of tha ground and tha rhizoma just on the surface.

No. 2 plants on which tha laavas spring from a crown, should be planted with this crown just at tha dirt line.

No. 3 plants, with a fleshy root such as Hollyhocks, should be planted with tha tap root straight down and tha bud just balow tha surface of tha dirt. In all planting, spraad tha roots out naturally and do not crowd. Bring tha soil in contact with all roots and prass firmly. Watar thoroughly.

Most wintar injury to harbaceous perannials is caused by altarnata freezing and thawing of the soil. A mulch of salt hay, straw or laavas appliad to tha ground aftar it is frozen will pravant injury to most perannials. Plants which maintain a crown of graan laavas through tha wintar, such as Shasta Daisias, will naed spacial protection in tha way of a mulch which will not pack down and causa tha laavas to rot. Soma plants, such as Chrysanthamums, will banafit from a mulch of sand.

Many perannials maka rapid growth and naad dividing avary few seasons. Larga clumps produca mediocra blooms becausa tha insida roots ara starvad and crowded. Parennials may be dividad and reset in aithar aarly fall or spring.

HOW TO PLANT BROAD-LEAVED EVERGREENS, AZALEAS, RHODODENDRONS, CAMELLIAS, ETC.

Thase plants requira an acid soil (about pH 5) aithar maintained or craated artificially, a moist situation but ona with excellant drainaga and a light soil with a high proportion of humus. As they ara shallow rooted, plant tham high, maintain at laast a 3" mulch around tham and naver cultivata. Whare wintar protection is necassary, spraying tha foliaga with plastic spray is halpful.

HOW TO PLANT RHUBARB

Plant Rhubarb 3 faat apart in rich gardan soil, with the buds 1 inch below laval of ground.

Do not pull Rhubarb from first-yaar or crown-pieca settings. First-yaar roots should hava their initial growing season to davalop firm roots, and ramoval of tha stalks will only cause tha roots to put forth more laaf and top growth. Faed plants regularly from year to yaar, haaping compost or manure around tha plants in fall and incorporating it in aarly spring. Ramove tha flowar stalks as soon as thay appear for though thay ara striking and ornamantal, thay axhaust tha plant and tand to lassan tha quality and quantity of tha edibla stalks. Rhubarb patches will continua to produca for many years, though soma growars prafar to divida clumps aftar fiva or six yaars and raplant tha divisions in an anriched soil.

HOW TO PLANT ASPARAGUS

Sat Asparagus 2 feet apart if in a singla row, with rows spaced 3 feat apart if in a bed. Plant to covar roots as for any perannial. Prapara soil by spading planty of humus and fertilizer into it. Asparegus likes plenty of feeding so fertiliza liberally with stable manure each year. Start cutting stalks when they are as thick as your thumb. Never cut thin stalks as they are probably young plants which will renew your bed. Stop cutting June 1 to 15 to allow bed to build up for tha next yeer.

HOW TO PLANT GRAPES

Planting can be dona either in spring or fall. Spring planting can be done as eerly in spring as the ground can be worked.

Usual spacing is eight by eight feet, but if space is limited a seven-foot spacing will do. Holes should be dug 12 to 14 inches deep and 16 inches in diemeter. To prevent drying of the roots, leave a slight depression around the stalk to hold rainweter. Before planting, the top should be pruned beck to a single cane and this cut back so two buds remain. Delay pruning the top until spring. Instead, simply cut eway any broken roots and those thet are too long to fit in the hole.

First-year growth can be allowed to trail over the ground. In the winter, however, place posts about every 15 feet along the row, with two wires, one ebout two feet off tha ground.

HOW TO PLANT FRUIT TREES

Holas for fruit trees must be broad and ample. In hard soils make the hole e little larger end break up the ground a bit more to give the roots a better chance to spread out. While standard trees may be planted a little deeper than thay stood in the nursary, they must not be planted too daap. Properly plantad traes davalop a strong faeder root systam which takes firm hold of tha ground close to the surface. This sarias of spraading tanacious roots providas tha trea with a firm, sura basa.

If planting a dwarf traa taka cara not to bury tha lowar graft union. If tha scion finds its lower parts undarground, it may sand out its own roots, cancalling out tha dwarf root systam.

To sat tha trea wall and firmly into tha hola, maka a small mound of topsoil and place tha young traa on it gently, kaeping the roots in their natural position as much as possibla. Fill with mora topsoil, working it gently around tha roots to avoid air pockets. When tha hola is partly filled, tamp tha aarth down as firmly as possibla. Carefully repeat this operation savaral times.

To gat air holas out from around tha roots, fill tha half-fillad hola with watar and then gantly rock tha traa on its mound. As tha watar settles, it carrias soil with it into the air pockets. It is good practice to laava a daprassion to catch watar around tha basa of the tree. Watar the traa immediataly aftar planting, giving it a thorough soaking. Fill tha daprassion with watar and allow it to soak into the ground slowly.

Watering Instructions: After planting, watar once a day until plant begins to put on naw growth. Aftar naw growth starts, watar at least thraa timas a waak for tha first growing saason. A good soaking rain can taka tha place of wataring, but a briaf sprinkla or showar will not meat tha tree's naeds. Aftar growth starts tha sacond saason, watar the traas thoroughly once a waak, unless thara has bean a haavy rain.

Usa decomposed compost or straw or hay as a first-saason mulch. Mulching with compost will stimulata feedar root growth and ensure that tha traa takas hold rapidly. Cover the ground around the traa up to the dripline but kaap a faw inches to a foot of claar space around the trea to keep mice and rodants away from tha tander bark. A protactiva bank of wire mash around tha trea will also deter rodents. Maka it 18 inches across. Prass it firmly and daeply into the ground so that rodants cannot burrow undar it.

HOW TO PLANT NUT TREES

Keep traa roots covared and moist until you ara ready to plant. If not to be plantad immadiataly, thay should be healed-in for protection.

Holes for treas should be larga anough so the root is covared and not bent in an unnatural position. Trim tha ands off any broken roots. Sat the tree ona to two inches deaper than it graw in the nursery. Sattla tha roots gently as you fill tha hola with molst, rich topsoil. Tamp firmly to avoid air pockats. Water well to settla tha soil, laaving a slight basinlike deprassion to catch rain. Staka traes whare winds prevail, and wrap tha trunks loosaly with burlap, cornstalks or similar matarials during tha first wintar. This will prevant drying and sunscald. Protact tha trea's tandar bark from rodents and rabbits by pushing a ring of wira mash about ten inchas wide into tha ground around tha traa.

Tha tree must be thoroughly watared as soon as it is planted. Soak tha ground so that tha water ramains on top for savaral minutas.

RED 2.00 ea.

MELON 2.00 ea.

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Veterinary Students Use Animal Models To Learn CPR Techniques

A dog in surgery suddenly stops breathing and goes into cardiac arrest. The veterinarian performing the operation must act quickly to save the animal's life.

Like human doctors, veterinarians use cardio-pulmonary resuscitation (CPR) to revive animals in such circumstances. But until recently, teaching the skill presented a dilemma for veterinary schools.

Live animals often were used for teaching CPR, but resulting injuries required that the animals be put to sleep. The practice bothered veterinary students whose ambition was to save animals' lives.

Students at the NCSU School of Veterinary Medicine (SVM) have never had to practice CPR on live animals. They have used two models, Resusci-Dog and Resusci-Cat, which look and function like animals in distress.

Dr. Beverly A. Gilroy, SVM anesthesiologist, said the new tools have allowed her to give students practical experience with CPR for the first time. She previously chose not to use live animals to teach CPR.

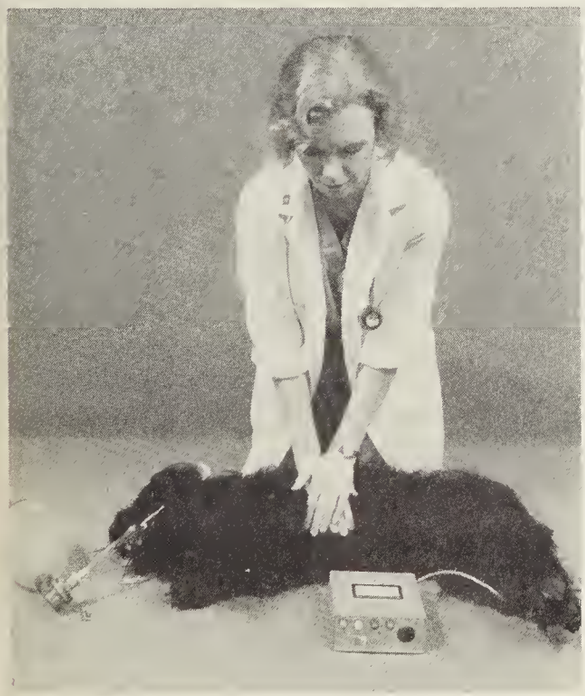
"You want veterinary students to know what to do in an emergency," Dr. Gilroy said. "These models give them some good experience."

The models work much the same as Resusci-Annie, a human model used for teaching CPR. Monitors attached to the models let students know if they are resuscitating the animals correctly.

Resusci-Dog is about three feet long and covered with black fake fur. Students use both hands pressed together to massage the dog's heart on its left side. A plastic tracheal tube is inserted in the dog's throat and attached to a balloon-like pump used to pump air into its lungs to restart breathing.

Resusci-Cat looks and operates much the same way. Both the model cat and dog have pale gums, giving the animals the appearance of having stopped breathing, Dr. Gilroy said. Pulse can be regulated manually.

Resuscitation on cats and dogs is most successful when done on animals which have gone into cardiac arrest during surgery, Dr. Gilroy said. But success rates are low at best: about 9 percent for dogs and about 20 percent for cats, she said. ■



Dr. Beverly A. Gilroy, anesthesiologist at the NCSU School of Veterinary Medicine, demonstrates CPR with Resusci-Dog.

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A defense against cancer can be cooked up in your kitchen.

There is evidence that diet and cancer are related. Follow these modifications in your daily diet to reduce chances of getting cancer:

1. Eat more high-fiber foods such as fruits and vegetables and whole-grain cereals.

2. Include dark green and deep yellow fruits and vegetables rich in vitamins A and C.

3. Include cabbage, broccoli, brussels sprouts, kohlrabi and cauliflower.

4. Be moderate in consumption of salt-cured, smoked, and nitrite-cured foods.

5. Cut down on total fat intake from animal sources and fats and oils.

6. Avoid obesity.

7. Be moderate in consumption of alcoholic beverages.

No one faces cancer alone.

AMERICAN CANCER SOCIETY

—Ray Strawbridge

James Whitfield of Randolph EMC, Asheboro, completes a connection to energize a mobile substation, foreground, during a demonstration.

Mobile Substation Program To Reduce EMC Power Outages

"Seven of the mobile units will be available for use as needed by a total of 14 cooperatives to maintain electric service while repair or maintenance work is being done at permanent substations."

Fourteen Electric Membership Corporations (EMCs) across North Carolina will be able to provide better emergency and maintenance service with the help of a new mobile substation program.

The new venture, administered by North Carolina EMC (NCEMC), the power supply arm of the statewide EMC organization, will use seven mobile substations that will be housed at various EMCs around the state.

Four new units will be added to three existing units, which are the property of individual co-ops—giving the pool members a total of seven units at their disposal.

The first new unit, which was built by the H.K. Porter Company in Belmont, CA, was recently tested and prepared for service at Randolph EMC, Asheboro.

The units will be used when emergency or maintenance requirements cause a transformer at a substation to lose power or be shut down, NCEMC officials said.

In that event, a mobile substation will be dispatched and placed on-line until the situation is corrected or the maintenance work is completed.

Officials said use of the mobile substations would drastically reduce the time EMC consumer-members are without power during some types of outages.

The three EMCs that already own mobile substations will continue to house and operate their units. They are: Randolph EMC; Blue Ridge EMC, Lenoir and Davidson EMC, Lexington.

The four new units will be housed as follows: one each at Randolph EMC and Davidson EMC and two at Edgecombe-Martin County EMC, Tarboro.

The sites were selected as being the most centrally located for serving the pool group.

George Ferrell, NCEMC's director of planning and engineering, said the pool "will provide low-cost, reliable emergency and maintenance service for the EMCs, allowing them to deal more efficiently and effectively with some of their outage problems."

Wayne Wilkins, manager of Davidson EMC, said participating in the cost-sharing program "makes good business sense."

He added: "We think it's a good idea. It will provide savings and help improve our reliability of service in the eyes of the consumer-members."

Other EMCs participating in the program are: Albemarle EMC, Hertford; Central EMC, Sanford; Crescent EMC, Statesville; Wake EMC, Wake Forest; Halifax EMC, Enfield; Pee Dee EMC, Wadesboro; Piedmont EMC, Hillsborough; Roanoke EMC, Rich Square; Tideland EMC, Pantego and Union EMC, Monroe.

Ferrell said the state's 14 remaining EMCs have thus far elected not to enroll in the pool but they can still make use of the mobile units during emergencies under a special rental arrangement. ■

Please Move Those Address Labels!

I receive the *Carolina Country* magazine and enjoy it so much. There is *one* thing I wish you would change. How about putting the address label on the back of the magazine. Some beautiful front covers could be framed if it weren't for the address label—and you can't remove it without tearing the picture. We're sincere about this and hope it can be changed.

Mr. and Mrs. William H. Hoots
Rt. 4, Yadkinville

I have really enjoyed your magazine a lot. I have always loved the covers. The pictures are beautiful and talk for themselves. I have only one negative thing to say about it, though. Suggest to whoever does the address labels to please not put them on the main part of the cover. My November issue had one on the middle of a lovely gold Maple tree and it sort of took from it.

But rest assured the magazine is a delight to receive!

M. Carroll
Rocky Mount

Since many of our readers have written to us about this problem in the past, we share your concern about it. And we're now trying to address it. Our new graphic design, which we've introduced with this issue, calls for our cover logo to always appear in a fixed position at the top of the page. As a result, we believe the mailing label can be placed in the upper left corner above the image area of our cover picture. Part of the label will still extend into the upper edge of the picture, but we hope this will improve your chances of getting a frameable image. We've asked our printer to experiment with this approach.

I'm afraid the idea of placing the label on the back cover isn't practical because most issues feature paid ads on that page. The advertisers, of course, would not want the label to obscure the ads in any way.

Meanwhile, if you have old covers you'd still like to frame, you might try a trick that was suggested by one of our readers who'd used it to get the labels off. She'd place the cover in a plastic bag and put it in the freezer overnight. The next day, she said, the label would peel off easily.

You might also try using a commercial solvent such as Bestine, a product our design consultant uses regularly for removing adhesives. Other products available from hardware or paint supply dealers would probably work as well.

—The Editor

Recipe Request Inspires "Great and Warm Response"

I have had such a great and warm response to my request (September "Mailbox") for recipes and information on elderberries. The warmth of the notes, letters and recipes "just make my day." I feel so blessed and feel that I belong to a big family.

I hope to thank each one by letter in the near future. I am 48 years old and have heart trouble. Each response has really been a blessing. The wild thorny blackberries are still prized as my favorite. Thanks so much.

Doris Swinson
Albertson

Publication of Recipe Leaves Reader "Excited"

I was very excited to have my recipe published in your July, 1987, *Carolina Country*. I had no idea that so many of our friends and acquaintances were also rural electric members. Thank you for the $5 prize.

Kathy Van Dorp
Jamestown

New Book Explores Roles Electric Co-ops Might Play "In The 1980s"

I'm writing to announce publication of *Neighbors, Electric Burro on the Road to Bogota,* a book that was written to commemorate rural electric cooperatives in the United States.

The subject matter of the book takes place 50 years after FDR initiated REA.... There are examples within the story about just what roles electric co-ops might play in the 1980s and beyond. REA may be more than 50 years old now but the majority of the electric cooperatives have yet to see their own 50th anniversary.

I have intentionally *not* written a text of strict history.

Copies of the book are available from Breakaway Publishing, P.O. Box 67, Williamsburg, Michigan 49690. Hardbound—$16.95, paperback—$4.95. Please include $2 for postage and handling for one book; $1 for each additional copy.

Scott Hudson
Williamsburg, MI

Tar Heel Agriculture Going Through "A Period of Extraordinary Change"

The following is excerpted from remarks by Gov. James G. Martin Jr. at the 1987 convention of the North Carolina Farm Bureau in December.

North Carolina agriculture, like that of the rest of the nation, ... is in a period of extraordinary change.

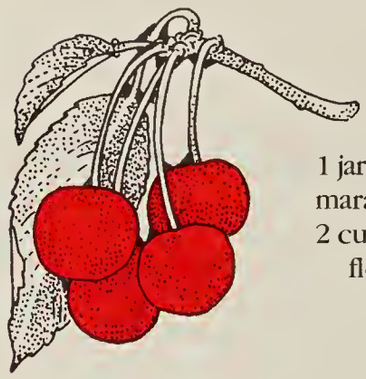
The lesson that is becoming clearer is that, if North Carolina is to continue as one of the great agricultural states, we will have to change from a production-driven agriculture to a consumer-driven, market-oriented agriculture.

I believe North Carolina is taking a leadership role in accomplishing this new approach to agriculture—that we are on the leading edge of new era in agriculture.

We do have, however, some areas of deep concern, but working together, as we have done in the past, we will overcome the remaining obstacles and return a greater profit to our farming industry.

In practically all the books and articles on entrepreneurship that I have read, nobody mentions the farmer. This is truly surprising, since the farmer is and has always been the foremost example of the entrepreneur.

The difference now is that the farmer must begin to think of himself and herself as an entrepreneur, if he or she is to be truly successful in one of the most important enterprises in our state and nation.



Cherry-Nut Bread

1 jar (10-ounce) maraschino cherries
2 cups all-purpose flour
1/2 cup margarine, softened
2 large eggs
1 teaspoon vanilla
1 cup buttermilk
1 cup chopped pecans

Drain and chop cherries, reserving juice.

Combine flour, soda and salt; set aside.

In large mixer bowl, cream sugar and margarine; add eggs and vanilla; mix well. Add dry ingredients alternately with buttermilk; beat well after each addition.

Lightly flour cherries and pecans; fold in mixture just until coated. Pour into 2 greased and floured 7-3/8 x 3-5/8 x 2-1/4-inch loafpans.

Bake at 350° for 30 to 35 minutes or until pick inserted in center comes out clean. Cool in pans 5 minutes. Remove to racks to cool.

Glaze:

1 cup confectioners' sugar
reserved cherry juice

Mix confectioners' sugar with enough reserved cherry juice to form a glaze (about 2 tablespoons). Pour over warm bread. Cool. Store in covered container. Refrigerate. Yield: 2 loaves. This makes a pretty gift. May be frozen.

This recipe was excerpted from *Bread for Body and Soul,* a collection of devotions and bread recipes prepared by Jean Mills Howard of Greenville, SC. Illustrations for the book were done by Mrs. Howard's son, Ken, who lives in Winston-Salem.

Mrs. Howard, a former teacher who has degrees from Mars Hill College and Furman University, has been writing devotions for a Baptist publications for the past five years. She decided to combine devotions with bread recipes in this book because she sees a natural "connection" between the two.

The Bible includes various references to bread, she said, and "throughout his ministry Jesus took care of the physical needs of man as well as the spiritual."

The 156-page, spiral-bound book includes 37 devotions and 54 recipes. It's priced at $8.95, plus $1 for shipping and handling.

For each book sold, Mrs. Howard will contribute $1 to the Southern Baptist Convention's Lottie Moon Christmas Offering or the Roper Mountain Science Center through the Greenville County Medical Society Auxiliary.

Mail orders to Mrs. Howard at 240 Stone Lake Drive, Greenville, SC 29609.

The Pilgrimage by Ann B. Ross. Macmillan Publishing Co., New York. $18.95

Jessie Heath says she's obeying the Lord. Emma Louise Heath says she's using common sense. Anyone else would use words like determined, stubborn and obstinate to describe the Heath sisters.

After their father's death in 1846, Jessie hears the voice of God calling her forth from their Missouri farm to help the poor benighted savages in Oregon. Emma hasn't heard the call, but being only twelve has to tag along with her sister.

Emma may be younger than Jessie, and Jessie may have inherited all the beauty in the family, but Emma has acquired the better part of the common sense. She pleads with Jessie to take Papa's gun and Dr. Allbright's tonic, but Jessie declares doing so would not show faith in the Lord's ability to provide.

But when the two sisters are attacked at their first campsite, Jessie proves willing to assist the Lord if necessary. She sets her attacker's beard on fire, grabs his gun and makes him and his companion undress before she ties them between two trees.

Shaken by the evil that can befall two unescorted females, she decides to dress Emma like a boy before they join the wagon train headed for Oregon.

The Pilgrimage is the third book by Ann B. Ross of Hendersonville. A nurse who is married to an obstetrician, Mrs. Ross had two mysteries published before writing this novel. She received a bachelor's degree in literature from UNC-Asheville in 1984 and a master's in English from UNC-Chapel Hill in 1986. She's now working on a doctorate in English.

The new book is the story of Jessie and Emma as they journey west with the Donner party and their experiences at the Whitman mission in Oregon. Readers familiar with the fate of the Donners and the massacre of the Whitmans may fear this will be a depressing story. It's quite the oppostie.

Though the difficulties and horrors of Western settlement are never glossed over, the story is told in a sprightly conversational style by Emma as she describes the journey years later to her young niece. Excerpts from Jessie's journal give her point of view.

Halfway between childhood and adulthood, a girl dressed in boy's clothes, Emma is a wonderful narrator. Though she sometimes seems a bit naive (one would think that a Bible-reading farm girl who caught Elizabeth Harris and Jacob Hollinger under the scuppernong vine would know a little more about where babies come from), Emma views the events around her with humor and a level-headed ability to cut to the heart of any matter.

Emma's great gift is the ability to see the inner person rather than the outward form. Through keen observation and common sense she punctures religious and social pretensions.

When she trips over Mego Cobb, a filthy mountain man lying drunk near the wagon train, she recognizes the essential goodness of his nature and the vast knowledge he has of the West and becomes his fast friend.

Another mountain man, J.C. Garrett, captures her attention. Though masquerading as a boy has blessed Emma with great freedom, she now wonders how Garrett would treat her if he knew her gender. However, like every man who has ever laid eyes on her sister, Garrett is pursuing Jessie. The possibility that Garrett may be the first man to interest Jessie both frightens and pleases Emma.

Can a staunch sinner like Garrett win a missionary as obstinate as Jessie? The story is told with satirical humor and lively details, mixed well with history, romance and adventure.

—Phyllis Hacken Johnson

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NCSU Senior Cited As Nation's Most Promising Young Farmer

Frank W. Howey Jr. has spent most of his young life working the soil in his native Union County. His efforts are now bringing him some national attention.

Howey, a senior at North Carolina State University, was honored with the title of Star American Farmer at the recent Future Farmers of America (FFA) convention in Kansas City, MO.

The Star American Farmer award is given annually by the 416,000-member organization to recognize the most promising young farmer in the nation.

Howey, who manages 2,100 acres of owned and leased land, raises cattle and grows soybeans, wheat, oats and grain sorghum.

The 21-year-old agromony major, who comes from a long line of family farmers, plans to return to his Union County operation when he graduates in May.

"I've just always enjoyed farming. It's not that I believe that it's my heritage," he said. "I just believe a person ought to enjoy doing what he does for a living. I enjoy farming and being outside."

Being named the Star American Farmer will keep Howey on the go for the next few months. In March, he and other regional FFA winners will tour farms and agribusiness operations in France, West Germany and Belgium. He will later tour the headquarters facilities of various U.S. agribusinesses in hopes of raising $3.3 million in contributions for FFA.

Howey is no stranger to the business end of farming. According to him, working the soil is only part of the job.

"As a farmer, I'm many things: agronomist, mechanic, veterinarian—but mostly I'm a businessman," he said. "I think the business part of farming is very important."

Like a farmer, Howey has plenty of experience wearing many hats. Besides maintaining his farm in Union County, Howey is the caretaker of the NCSU research greenhouse and an active member in a number of campus agriculture clubs while carrying a full academic load.

"Farming is not easy and it's not for everybody, but I've always been optimistic," he said. "There are a lot of economic problems on the farm. We will have to use our leadership to address issues that concern farmers and propel American agriculture into the 21st century." ■

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Candidates Jockey For Position In Early 1988 Presidential Primaries

The time is at hand to choose the next President of the United States. In just a few days, on Feb. 8, the voters in Iowa will hold their caucus and the business of selecting a new leader will have begun.

Iowa will be followed on Feb. 16 by the New Hampshire primary and the survivors of those two events will then go on to "Super Tuesday" on March 8, when 14 Southern and border states will hold simultaneous primaries. The Illinois primary is set for a week later.

By that time one-half of the delegates to the 1988 conventions will have been selected—and the choice of one or both nominees may have been decided.

If this seems sudden, remember that the candidates of both parties have been campaigning for months, moving around the country but paying more attention to Iowa and New Hampshire.

Most political observers agree it's been a strange sort of election until now. As the start of the election process nears, some political experts are predicting what will happen.

The consensus is that at least two candidates in each party will be eliminated after the first two states have made their choices, leaving three or four of the hopefuls to continue on into Super Tuesday. New Hampshire generally takes its toll and this year is expected to be no exception. But not everyone agrees on just who will survive.

After March 8, the experts believe, either one candidate will have clear sailing to his party's nomination or there may be two in one or both parties still battling for the political prize.

If neither of those two possibilities occur, the race in one party or the other may be so hopelessly tangled that no one will go to the convention with enough votes to be assured of winning. This could lead to a brokered convention in which the party leaders and delegates could pick a nominee. Observers believe this is more liable to occur in the Democratic Party than at the Republican convention.

At times a candidate has won by a substantial margin in Iowa and New Hampshire and built up enough momentum to propell his campaign into succeeding state elections. But this year is different.

When Southern states decided to hold their primaries on an early date in March they did it expressly to give the South more of a say in selecting a candidate in each party who would be more acceptable to Southern voters. So a non-Southern liberal who carries New Hampshire may be so unacceptable to Dixie that his win in New England may have little effect.

Against this background, here are the candidates, one of whom is almost certain to be the next President of the United States:

The Democrats

Bruce Babbitt of Arizona. If there is a long shot among the Democrats, it has to be Babbitt. A former two-term governor, he is extremely popular in his home state where people generally think he served well. He boasts that he balanced the state's budget nine consecutive years, but in Arizona a balanced budget is required by law. Babbitt is willing to raise taxes and cut spending, including Social Security, in order to balance the federal budget. Backs Reagan's arms control efforts.

Michael Dukakis, Massachusetts. In his second term as governor of the Bay State, Dukakis claims credit for helping to bring about the economic prosperity Massachusetts is enjoying. The state's per capita pay is among the highest in the nation and the unemployment rates are among the lowest. Regarded as a liberal, progressive politician, he is well liked in New England. A heavy favorite to carry New Hampshire, which is right next door to his home state where the Boston television stations are seen. Would cut defense spending in his efforts to balance the federal budget. Backs Reagan on arms controls.

Richard Gephardt, Missouri. The only member of the House of Representatives among the Democratic candidates, Gephardt led the polls in Iowa until he started to slip recently. Gephardt has a record as a leader in the House. Was the author, with Sen. Bill Bradley of New Jersey, of an income tax reduction plan much like the one that went into effect this year. Has sponsored strong trade legislation to punish nations that will not let American products enter their countries. If he's elected President, it'll mark the first time in 100 years that a sitting Congressman has made that transition.

Albert Gore Jr., Senator from Tennessee and the son of a former senator. Gore says he is the only Southerner in the race. Has abandoned campaigning in Iowa and New Hampshire and is basing his hopes on Super Tuesday in the Southern states, where he is expected to do well. Regarded as an expert on arms control, which is going to be an issue in the campaign. May be a sleeper if he runs well in the South.

Gary Hart, Colorado. The biggest surprise of the campaign so far. Hart was leading in most polls until last spring, when he withdrew because of media charges that he was involved in extra-marital affairs. In December, he announced that he was back in the race. He has name recognition but no organization, no money and his key people went to work for other candidates. If he is able to pull it off, observers say it would be a near miracle—but they're not sure he can't do it.

Jesse Jackson, Chicago. A minister, Jackson is the only black candidate and his support in the black community is solid. Ran four years ago, but is far more to the middle of the road this year. Claims foreign policy expertise and is strong on education. Because of his minority support, Jackson has been high in the polls but is a long shot to get the nomination.

Paul Simon, Illinois. Member of the Senate who says he is at heart a New Deal Democrat. Would emulate President Franklin Roosevelt and start a federal works program to put people to work on the country's roads and bridges. Says it could be done for about $8 billion. Opponents challenge him on how his spending plans could lead to a balanced budget but he says that can be achieved. Is leading the polls in Iowa. If he could do well in New Hampshire, he could gain momentum going into the Southern primaries. Wears a bow tie, as did Harry Truman, but has a far milder manner. Like all Democrats, Simon favors the arms treaty.

The Republicans

George Bush, Texas. The Vice President has been ahead in all polls since the start. Intensely loyal to the Reagan administration, he has backed the arms treaty all the way. Pledged to carry on the Reagan program although he says selling arms to Iran was a mistake. Has wide experience in government. He's been head of the CIA, a member of Congress and served at the United Nations and in China.

Robert Dole, Kansas. Majority leader of the Senate who is expected to do well in Iowa. Vice Presidential nominee in 1976. Married to a North Carolinian—Elizabeth Dole—and his wife is serving as his manager in the South. Much depends on how he does on Super Tuesday. Had reservations on arms control but backs it in the Senate. Has generally supported Reagan's policies.

Pierre DuPont, Delaware. Former governor and member of the House. Conservative with plans to overhaul Social Security and to abolish the present welfare system. Opposes the arms treaty with the Soviets. Regarded as an extreme outsider although backed by the most influential newspaper in New Hampshire.

Alexander Haig, Connecticut. Retired four-star general. When Haig announced his candidacy, some said he threw his helmet into the ring. A hard liner on Russia, Haig bitterly opposes the arms agreement with the Soviets. Was Reagan's first Secretary of State. Resigned in his second year. Says he has had more experience in foreign affairs than the other candidates. Was commander of NATO forces in Europe in the 1970s. Has not done well in the polls.

Jack Kemp, New York. Member of the House and former quarterback in the National Football League. Claims expertise in economics as a "free trader" and wants the U.S. to return to the gold standard. Preaches that the free market place with lower taxes will cure the country's economic ills. Generally regarded as the conservative's candidate, he has support from the National Congressional Club. Has been behind Bush and Dole in the Polls.

Marion (Pat) Robinson, Virginia. Until he resigned to campaign, he was head of the Christian Broadcasting Network (CBN) which programmed his evangelical messages. Very religious, he says he once stopped a hurricane headed for the Virginia coast. Compared Reagan's arms control treaty with Neville Chamberlain's surrender to Hitler before World War II. May be a sleeper because his support is deep and his followers are deeply committed. Won a straw vote in Iowa and is strong in Michigan and some Southern states, notably South Carolina.

Registration Deadlines Scheduled

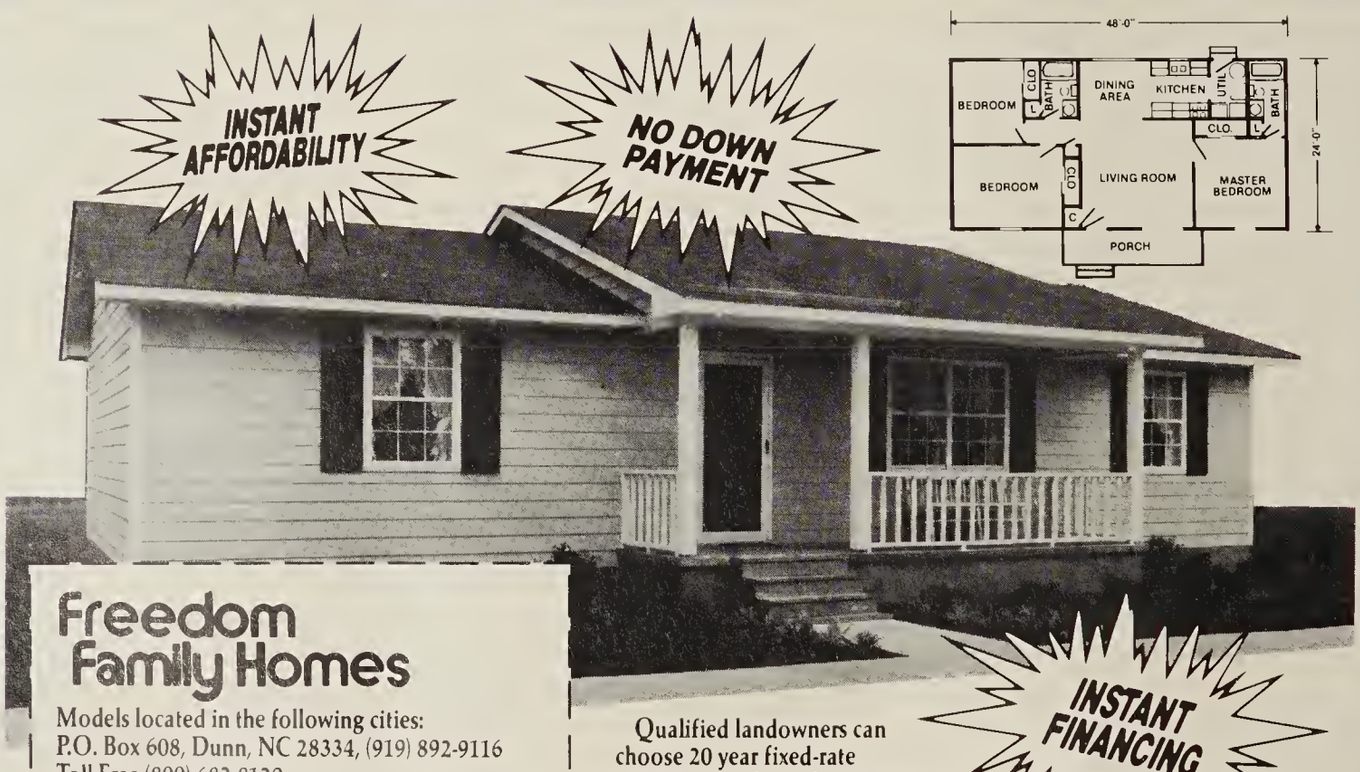
North Carolina residents who are not currently registered to vote in the state must do so by Feb. 8 in order to vote in the March 8 "Super Tuesday" presidential primary, according to State Elections Director Alex K. Brock.

He said the schedule of registration deadlines calls for voters in the May 3 statewide primary to be registered no later than April 4.

In order to vote in the Nov. 8 general election, the state's residents must register no later than Oct. 10, Brock said.

Third District Congressman Tours Central EMC, Sanford

Third District Rep. Martin Lancaster, center, recently toured the headquarters of Central Electric Membership Corporation, Sanford, as part of a visit to Lee County businesses. The first-term congressman from Goldsboro met with the EMC's employees and watched a brief demonstration of the co-op's Supervisory Control Acquisition Data (SCADA) system. The SCADA technology, which was put into operation last July, helps the EMC control and monitor three substations from its operations center. From the left are L. Reid Harris, manager of Central EMC; William C. Dalrymple of Sanford, a co-op director; Rep. Lancaster; Johnnie Jean Dickens, staff secretary and Tom Stackhouse, assistant manager.



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Groups, Individuals Get Honors For Conservation Achievements

Conservationists from across North Carolina were recognized for a wide range of conservation achievements during the 1988 annual convention of the N.C. Association of Soil and Water Conservation Districts in Raleigh.

Among those recognized were members of the Jack Winslow family of Halifax County, one of the 10 national finalists in the Conservation Farm Family of the Year competition sponsored by the National Endowment for Soil and Water Conservation.

Regional Conservation Farm Family winners for 1987 were the John Ira Oakley family of Farmville, the Ted W. Honeycutt family of Angier in Harnett County and Sunnybrook Farm at Richfield in Stanly County, which is operated by C. S. Brooks, Charles F. Brooks and Jed Brooks. All received bronze plaques.

Wake County had two top award recipients. Wake Commissioner J. Stewart Adcock of Fuquay-Varina received the Distinguished Service Award while Frank H. Jeter Jr. of Raleigh, was named Watershed Man of the Year for his efforts on behalf of Crabtree Creek Watershed Project and other uncompleted flood protection projects.

The President's Award went to G. C. Palmer Jr. of Haywood County for his efforts in support of the North Carolina conservation cost-share program.

The 1987 Goodyear Conservation Awards went to the Gaston and Haywood Soil and Water Conservation Districts for general conservation work. The Second Road River Watershed Project in Rutherford County was honored as Outstanding Watershed Project of the Year.

Special Appreciation Award plaques were presented to James Bellamy of Brunswick County for his years of service representing the Southeast on the National Association of Conservation Districts, and to Jim Cummings of Raleigh, an official of the Soil and Water Conservation Division in the North Carolina Department of Natural Resources and Community Development, for his work with the North Carolina conservation cost-share program.

Two environmental education awards, sponsored by the National Association of Conservation Districts and the Deutz-Allis Corporation, were presented. Outstanding district in environmental education was Lincoln District. Outstanding teacher in the field of conservation education was Reba Bowen of Whiteville.

District Conservationist Rufus W. Croom, who serves both Washington and Hyde Counties, was named Outstanding Soil Conservation Service Employee.

A three-way tie was scored in judging the District Secretary of the Year, which meant that awards went to Christine Blanchard of Burlington, Barbara Sprouse of Rutherfordton and Pauline Southern of Dobson.

Hinton (Ray) Bryant of Woodland in Northampton County was recognized as North Carolina's Outstanding District Employee of the Year.

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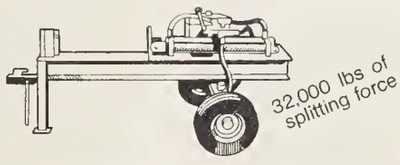

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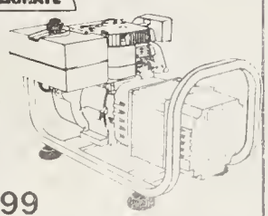

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Grasping For Bootstraps

The nation's economic recovery has bypassed much of rural America, leaving many communities to cope with rising unemployment and a growing poor population.

If you asked people on the street to describe poverty, you would probably hear of poor blacks who live in inner cities, of single parents with many children, of people on welfare and of cities where there are not enough jobs for all the workers.

But in reality, only 7 percent of the nation's poor live in such areas; far greater numbers of poor people call rural America their home.

They're people who can't find jobs because absolutely none are available in their small communities. Or they're people who have jobs but don't earn enough money to support their families.

They're farmers who didn't make enough money to cover last year's expenses, but who are still considered employed by those who compile unemployment statistics. They're the rural poor.

The rural poor and the worsening economic conditions that caused their plight were the focus of a recent day-long seminar in Washington on "Rural Economic Development in the 1980s: Preparing for the Future".

The conference, attended by rural development specialists, economists and rural electric cooperative leaders from around the country, was sponsored by the National Rural Electric Cooperative Association (NRECA) and the Aspen Institute.

Bob Greenstein, director of the Center on Budget and Policy Priorities, a non-profit group that analyzes the federal budget's impact on low-income Americans, told the assemblage that most people don't think about rural America when they think of poor people.

"The groups that the general public often think of as the deserving poor—those who work, those who are elderly, those who are part of two-parent families—comprise a large majority of the rural poverty population," Greenstein told the seminar.

"Yet this seems to be little appreciated or understood in urban or rural areas, in either case. And this may add to the reluctance of legislators," he added, "when it comes to supporting public policies that might aid the poor."

In fact, it's getting tougher to find work in rural America, speakers at the conference said.

"Rural America is losing jobs in epic proportions," said George Autry, president of MDC, Inc., a non-profit organization which has its headquarters in Chapel Hill.

He said that spells not only economic disaster but also low morale for rural America: "In rural America, we define ourselves by how we earn our living."

A renewed exodus from rural areas during the 1980s, a sharp contrast to the so-called rural renaissance of the 1970s when people were moving into small towns, has heightened the unemployment crisis there. But unemployment statistics are deceptive when it comes to tackling the financial and legislative needs of rural people, said Calvin Beale, the U.S. Agriculture Department's noted rural sociologist.

Farmers are still employed even when their farms lose money, so they're not counted in unemployment figures. If a farmer loses an in-town job, but still has a farm, that's not count-

ed. If a willing rural worker gives up the job search—knowing full well that everyone in a small community knows about every job opening—because there are no jobs, that's not counted.

Between 1973 and 1983, Beale said, rural America lost a quarter of a million jobs. Between 1983 and 1987, he added, 620,000 rural people lost their jobs. Those years, Beale said, were "the so-called recovery years.... The recovery is a metropolitan recovery."

Coinciding with the loss of jobs and population in rural areas have been cutbacks in federal funds that were once targeted toward rural development programs. "This has really left many, many rural communities without any bootstraps to pull up," Autry said. Mining, manufacturing and agriculture—rural America's economic mainstays—have all declined in this decade.

The bottom line, said Autry, is that rural America needs federal dollars. "If we don't (get funding) we're not only going to continue in rural America to lose our best and our brightest to cities as we're doing now, we're going to send those who are the least equipped—the poor and the dropouts—to the urban areas, and what is a continuing rural crisis for us today will be a national crisis tomorrow."

Federal funds, Autry recommended, should be spent in the important areas of upgrading rural education, rebuilding rural roads, water systems, and bridges, and in training workers.

Bob Bergland, NRECA's manager, says a solution to rural America's ills will come from cooperation beween private groups and the government.

"It's clear from all the evidence that any development must be a joint effort, harnessing the best of private enterprise and public law."

He said the relationship that rural electric cooperatives have had with the Agriculture Department 's Rural Electrification Administration, which lends them money, is "a living example of effective development. The combination of cooperatives that are locally owned and controlled—clearly private enterprise—teaming up with their government has produced a development revolution bringing electricity to persons who otherwise would be denied, in all likelihood."

Speakers at the conference were careful to separate the problems of the rural economy from the current crisis in agriculture.

"It is time to recognize that rural and farming are related, but are not the same thing," said John E. Lee Jr., administrator of the Agriculture Department's Economic Research Service, which produced a major rural development report last summer that prompted rural leaders to organize the conference.

The solution to these rural crises, according to the conference speakers, lies within the political process. With the presidential campaign in full swing, rural advocates have a chance to bring the problems of small town America to the attention of political hopefuls.

"It's possible that this realization of the cost on rural America of the type of econmic policy and performance we've had over the past 10 years... will blossom as 'Super Tuesday' approaches and the candidates recognize that an atypically large number of the voters in the South reside in rural areas," said Alan Pulsipher, chief economist at the Tennessee Valley Authority. "This is an opportunity that comes once every four or eight years."

Autry agreed: "After a new administration is in place and has made up its mind, we're not going to have input into public policy again until the next election."

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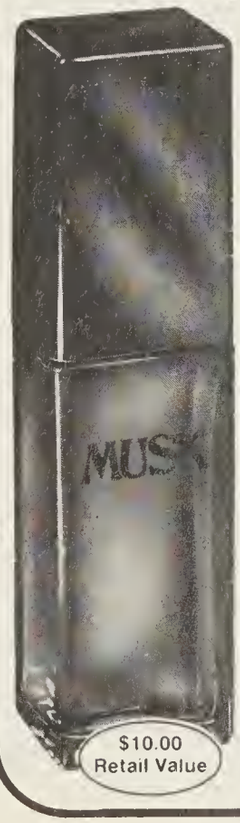

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HANK'S GARDENING GUIDE

We're in a period of unpredictable weather. Outdoor garden work must be limited to mild days between cold snaps. Now's a good time to transplant trees and shrubs. During temperate days: prune summer-flowering shrubs, rid your garden of plant litter, check plants to be certain they get sufficient water and inspect tools for repairs that might be needed.

Check Bulbs in Storage

Sometimes, dahlia tubers and gladiolus corms are attacked by rot while in storage. Check them. If rot is present on any corm or tuber, throw it out. If left, it probably will infect the other bulbs.

Snow On Daffodils

There's no need to be concerned if a sudden snow covers tender new shoots of daffodils. It doesn't harm them. The flower bud is deep within the bulb stalk with good protection from the snow.

Prune Late-Flowering Shrubs

Those shrubs that bloomed in late summer should be pruned before the end of February. Pruning will now encourage thicker, more handsome specimens. The result will be better summer-flowering of crepe myrtle, vitex, abelia, buddleia (butterfly bush), althea, eleagnus, kerria, mallow hibiscus and salt cedar.

If your yard has very large, old, neglected shrubs, it is possible to rejuvenate them by severe pruning. Sometimes this requires that they be cut back to the ground. This applies particularly to crepe myrtle and buddleia grown as shrubs rather than as small trees. New growth, sprouting from the roots in spring, will form much more desirable shrubs.

Faded Camellias

As blooms begin to fade on a camellia plant, they should be cut from the plant. Also, pick up any that have fallen to the ground. This helps prevent the spread of camellia blight.

It is helpful to replace the mulch around the plant if blooms show signs of blight. Remove old mulch and blooms from the yard. Don't throw them on the compost pile.

Starting Seed

From late January until April, seed of annuals, vegetables and perennials can be started indoors. This gives you a head start on the season.

Cauliflower, cabbage and broccoli should be started first because they are the earliest to go into the garden. During February you can sow ageratum, hollyhock, begonias, alyssum, snapdragons and geraniums. Place the pots or flats where they receive as much light as possible.

Just as soon as the soil is workable, sweet alyssum and calendula can be sown into the garden.

Initial Pruning of Fruit Trees

Small bare-root fruit trees set out during the winter months should be pruned to assure a desirable tree later.

First, prune the top of the tree to about three feet above the ground. If the tree has well-placed branches, select three or four arranged spirally about eight inches apart, with the bottom branch at least 18 inches above ground. Tip prune these several inches and remove all other branches.

If all branches are badly placed, cut each back to a single bud. Do this in early spring as buds begin to swell. In early summer, pick three or four well-placed new branches and remove the others. These new branches will be the framework for the tree.

New Year Resolutions for a New Gardener

To be happy in his hobby, the beginning gardener should adhere to these rules:

1. Follow cultural directions closely, seeking the advice of local garden centers and nurserymen and the county Extension office.

2. Don't plant too heavily or too many different kinds of plants until you feel fairly familiar with plants generally. Try a few at first and expand your activities gradually.

3. Begin your hobby by growing plants that are well adapted to your region, rather than importing plants that may not be adapted to the area. Out-of-character plants can come later.

4. Provide plenty of water and plant food for healthy growth.

Check Moisture Supply

Should the weather forecast predict a severe freeze, you'll want to make certain that plants are not thirsty. If there has been no rainfall for several days, get out the garden hose and give all trees and shrubs a good soaking. Plants usually suffer less cold damage if they are not in need of moisture.

Gift Plants

Flowering plants such as poinsettias and chrysanthemums, received as holiday gifts, should continue to receive full sunlight if possible. During cloudy days, they'll benefit from being placed near a table or floor lamp.

Keep the soil only slightly moist. Avoid exposing the plants to any sudden changes in temperature.

Salt vs. Plants

Slick, icy roads, driveways and walks are often salted to make them safe. Unfortunately, this raises the salt level in the soil around nearby plants and often damages them. Passing cars spray foliage with salty water.

One way to prevent such damage is to use sand instead of salt. Also select salt-tolerant plants for areas near the road or street. Among the best are Pfitzer juniper, yucca, eleagnus, white oak, weeping willow, pyracantha and black locust.

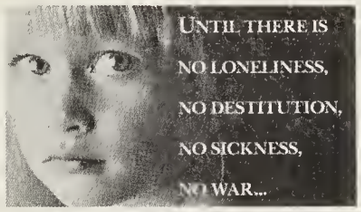
Prune Nandinas

This month or next, prune nandinas and other multi-stemmed shrubs by thinning from within. Cut to the ground about a third of the tallest canes each year. This will help to develop fuller, more compact plants. The ideal nandina clump has leaves from the ground level to the top of the plant.

Plant Potatoes

It soon will be time to plant potatoes. Don't use those you buy in the grocery store for seed potatoes. Your garden center probably has seed potatoes.

—Hank Smith



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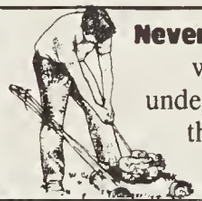

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Exemptions Raised On Inheritance Tax

Welcome to "Horizon", a new column we're introducing as a regular feature of Carolina Country.

The column, which will be written especially for the magazine, will focus on various issues and developments that have particular implications for North Carolina's older residents.

Our plans call for the column to include material that's of special interest to readers who're retired or those who're planning for retirement—and to the families and friends of such individuals.

We hope you find this recurring feature interesting and helpful. We encourage you to write with your comments about the column and with your suggestions for topics to be covered in future installments.

—The Editor

With the coming of this new year, something good has happened for older North Carolinians—and others, for that matter—that they probably haven't even thought about in these early days of 1988.

While we can hope that none of us have to consider the topic any time soon, the North Carolina exemption on inheritance tax went up to a new high mark of $400,000. This is $100,000 more than the exemption in 1987.

What's more, the amount will increase once again in 1989, when the figure will go to $500,000.

This is all the result of enlightened legislation enacted by the North Carolina General Assembly back in 1985. North Carolina lagged behind the federal figure in exempted amount allowed on estate taxes, as inheritance taxes are commonly (and correctly) called.

The federal government allows a maximum exemption of $600,000. So North Carolina's lawmakers determined to move toward a larger amount. When the 1985 legislation was voted into law, the state exemption was boosted by a modest amount, from $100,000 to $130,000, with other increases in future years.

So we can look forward to the time when that $500,000 fixture will be in effect, only $100,000 less than the federal figure. But in many ways North Carolina's law has provisions that might make it the best one around. It also gave a complete exemption to a surviving spouse, whether husband or wife, and has percentages that favor other beneficiaries (children or other involved parties) when an estate is divided for the second or third time.

The complete exemption for the surviving spouse is, perhaps, the best aspect of the new North Carolina law.

We have been using round figures to outline increases in the North Carolina estate estate tax exemption. But as the law is written, the exemption actually takes the form of credits. So the credits are the equivalent of the total exemption.

(An inheritance tax credit, just like a credit on your federal or state income tax, is money you don't have to pay.)

The credits and equivalent exemptions break down this way:

North Carolina Inheritance Tax

Year	Credit	Exemption
1988	$20,150	$400,000
1989	$26,150	$500,000

For the figures to rise above those given for Jan. 1, 1989, further legislation must be adopted by North Carolina's lawmakers.

When the 1985 law was enacted, particular emphasis was placed on families that owned farms in North Carolina. Although farmland prices have seen some decline in recent years, many families faced a problem when the head of the household died.

As a result, the total exemption for the surviving spouse provided great relief, and the increasing exemptions were most beneficial.

Other new provisions came into being as the result of laws enacted in 1985 and 1986.

Another estate tax change, affecting small estates, removed the reporting requirement on estates amounting to less than $100,000. In other words, if the appraised amount of an estate is less than $100,000, you don't even have to make a report to the North Carolina Department of Revenue. If the amount is above $100,000, you must make a report even if you won't owe one cent of inheritance tax.

In addition, any gift you present to your spouse, whether husband or wife, is exempt from North Carolina's gift tax. And the lifetime exemption for gifts to your children or others has been increased from $30,000 to $100,000.

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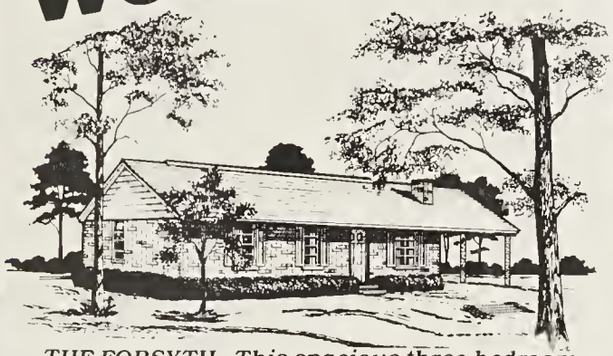

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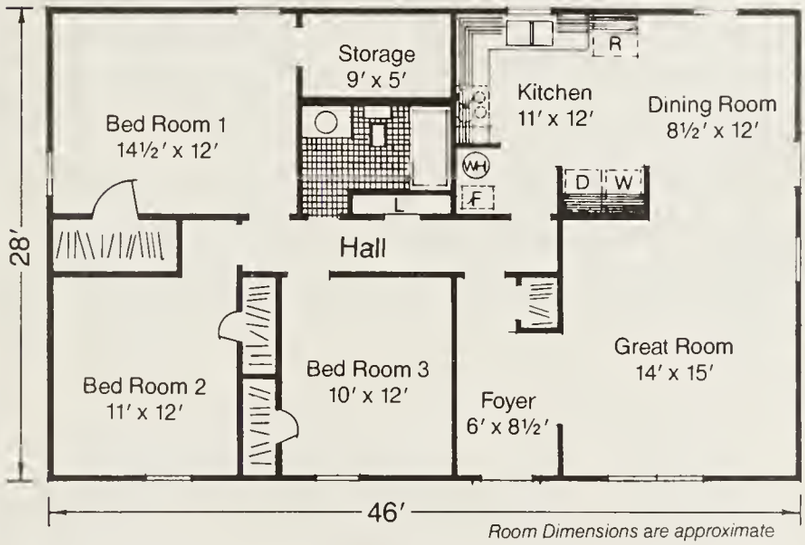

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The Frankfurter Follies: Part II

The effort to re-invent the All-American Hot Dog continues unabated.

Since we wrote about some such efforts last October, we have news of yet another new development on the wiener scene.

Dr. E. Allen Foegeding, an assistant professor of food science at North Carolina State University, has come up with a frankfurter that could give new meaning to the "tastes great" vs. "less filling" debate.

The professor's frank is a leaner wiener that may someday qualify for a "lite" label—if it ever finds its way to the supermarket meat counters. First, it has to earn the title of frankfurter.

The wiener has too little fat and too much water to meet the U.S. Department of Agriculture's standards for what constitutes a hot dog.

This dog has less fat than any now on the market. Regular wieners have fat content of 30 percent while Dr. Foegeding's frank has only 10 percent.

He accomplished this by adding more water—so much, in fact, that the USDA said the product couldn't be called a wiener. "Official" wieners can have no more than 10 percent water.

This what-do-we-call-it dilemma may soon be resolved because the USDA is reviewing a proposal to adopt new wiener standards that would allow the professor's hot dog into the frankfurter fold.

Meanwhile, Dr. Foegeding has a few other problems to work out as part of his research, which is being financed by a grant from the National Pork Producers Council.

The wieners he's produced—a blend of 60 percent pork and 40 percent beef—have been somewhat off the mark in texture.

The early versions, he said, turned out "like a rubber hose. They were just too tough." Later versions have been a bit soft, although he said their texture is not "undesirable."

Dr. Foegeding said he and other food scientists at NCSU will continue to experiment with the low-fat wiener, using non-meat protein in an effort to give it a firmer texture.

New Year's Inspiration

Here's a verse that may offer you a bit of inspiration as your 1988 gets under way. It's reprinted from *Texas Co-op Power,* the statewide rural electric publication for the Lone Star state.

World's Greatest Need

A little more
kindness
and a little less
greed;

A little more giving
and a little less
need;

A little more smile
and a little less
groan;

A little less kicking
when someone is
down;

A little more "we"
and a little less "I";

A little more laugh
and a little less cry;

A little more flowers
on the pathway of
life

And fewer on graves
at the end of strife.

—Anonymous

"Large, Economy" Size May Not Save You Money

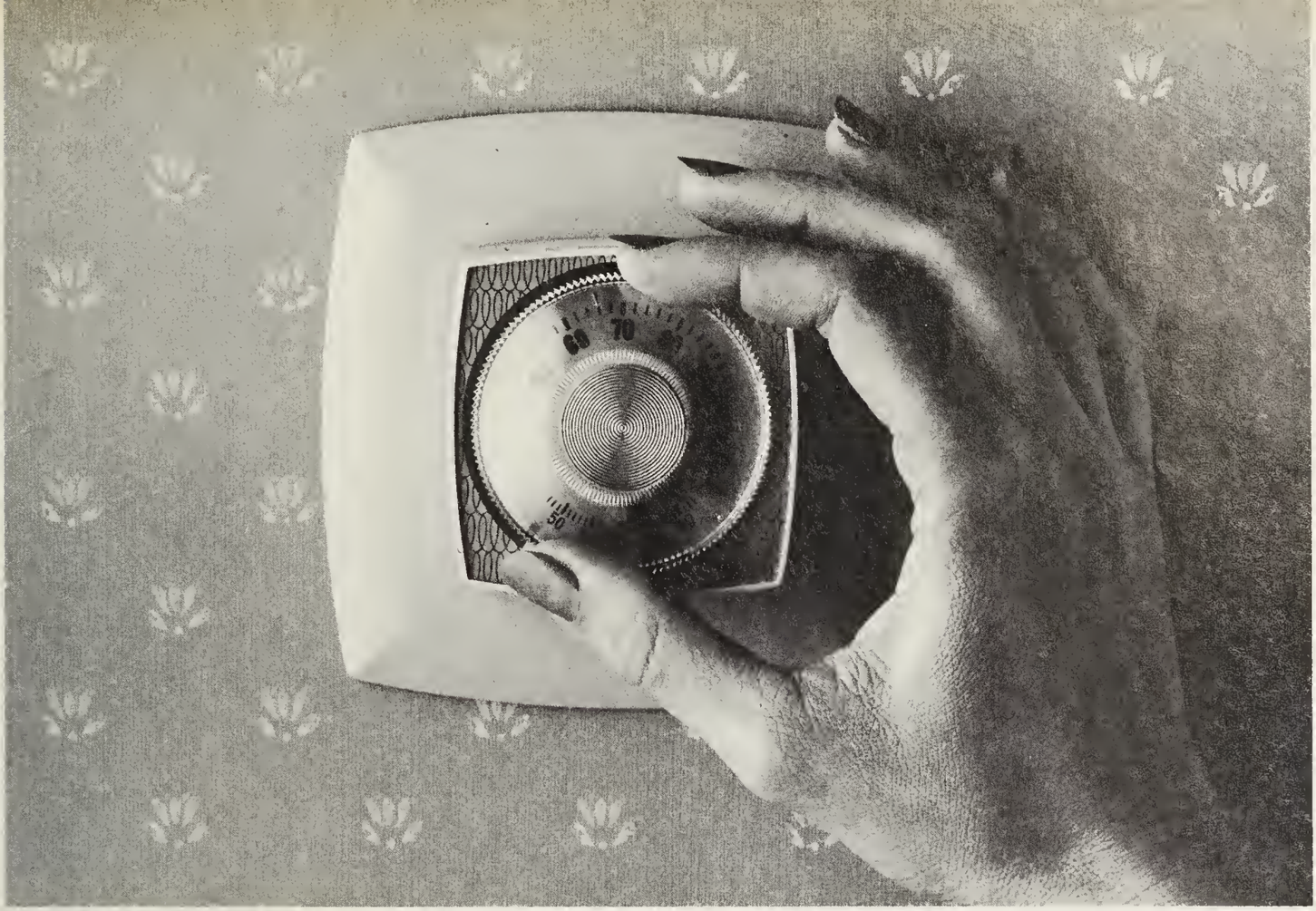
That October column on hot dogs quoted two NCSU economists who'd studied packaging trends, including the usual mismatch in the way wieners and buns are sold.

Their research on this subject produced some interesting results we didn't have space to mention: the "large, economy size" package may not offer the consumer the lowest per-unit price for that item.

Dr. James D. Hess and Dr. Eitan Gerstner examined a grocery store chain's published price list and found that of the 472 brands with large and small sizes, 7.2 percent were priced so the larger sizes cost more per unit. Larger sizes cost less per unit for 91.5 percent and the prices were the same for 1.3 percent.

The economists then surveyed 263 shoppers about their buying habits. The survey showed that consumers do compare unit prices, but they are also concerned about saving time and at times will pay more for a product in order to make fewer trips to the store.

—Owen Bishop



A HANDS-ON APPROACH TO ENERGY CONSERVATION.

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GOLD GLOW
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FORTY-NINER
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CLIMBING BLAZE
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CLIMBING PEACE
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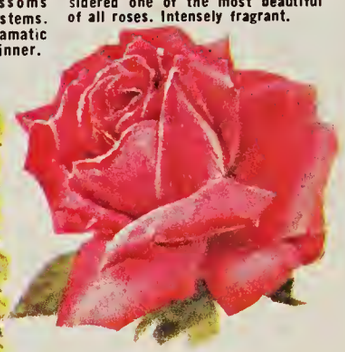

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